Rizzo, Jonathan

From: Banaszak, Jill
Sent: Monday, August 21, 2017 3:09 PM
To: Rizzo, Jonathan
Subject: FW: Fac Ponds 1 & 2 VOA results & Pond emissions

From: Banaszak, Jill
Sent: Monday, November 21, 2016 2:20 PM
To: Mike Emery (michael.emery@dec.ny.gov) <michael.emery@dec.ny.gov>
Subject: FW: Fac Ponds 1 & 2 VOA results & Pond emissions

Here is the analytical report for Fac pond 1&2

From: Rizzo, Jonathan
Sent: Monday, December 14, 2015 2:57 PM
To: Wilsey, Steven (Steven.Wilsey@ghd.com) <Steven.Wilsey@ghd.com>; Szalda, Bryan (bszalda@craworld.com) <bszalda@craworld.com>
Cc: Banaszak, Jill <Jbanasz@wm.com>
Subject: Fac Ponds 1 & 2 VOA results & Pond emissions

Attached are the results for grab samples collected from Fac Ponds 1&2. Use half the MDL for the VOAs that are highlighted in the second PDF. These are the VOAs that are common in the leachate going into the treatment system. Use zero for the other VOAs that are not highlighted.

To be ultra-conservative, use these results and do calculations for Fac Pond 3 was well.


L1531581.pdf


ENV__065.pdf

Jonathan P. Rizzo
Permitting Manager
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Model City, New York 14107
716-286-0354
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Waste Management renewable energy projects create enough energy to power more than one million homes. Learn more at www.wm.com.

CWM Chemical Services, LLC. **Reported: 04/09/15 06:50**

Client:	Aqueous Treatment	Project:	T-8000's	Sampled:	04/05/15 08:00
Work Order:	1504018	Project #:	CWM	Received:	04/06/15 07:00
Lab Sample ID:	1504018-02	Client Sample ID:	T-8001		Aqueous

Analyte	Result	Notes	Reporting Limit	Units	Analyzed	Analyst	Method
pH by Meter *Prep Method: NONE*							
pH	**6.99**			pH Units	04/06/15 10:18	CJN	SM 4500 H+B**
Volatiles - Aqueous *Prep Method: EPA 5030C*							
Chloromethane	ND		1000	ug/L	04/06/15 18:45	LAD	EPA 8260C
Vinyl chloride	ND		1000	"	"	LAD	"
Bromomethane	ND		1000	"	"	LAD	"
Chloroethane	ND		1000	"	"	LAD	"
Trichlorofluoromethane	ND		1000	"	"	LAD	"
Diethyl ether	ND		1000	"	"	LAD	"
1,1,2-Trichloro-1,2,2-trifluoroethane	**1640**		1000	"	"	LAD	"
Acetone	ND		1000	"	"	LAD	"
1,1-Dichloroethene	ND		1000	"	"	LAD	"
Methylene chloride	**2590**		1000	"	"	LAD	"
Carbon disulfide	ND		1000	"	"	LAD	"
trans-1,2-Dichloroethene	ND		1000	"	"	LAD	"
1,1-Dichloroethane	ND		1000	"	"	LAD	"
Vinyl acetate	ND		1000	"	"	LAD	"
2-Butanone	ND		1000	"	"	LAD	"
Ethyl acetate	ND		1000	"	"	LAD	"
Chloroform	**4240**		1000	"	"	LAD	"
1,1,1-Trichloroethane	**2170**		1000	"	"	LAD	"
Carbon tetrachloride	**1490**		1000	"	"	LAD	"
1,2-Dichloroethane	**2500**		1000	"	"	LAD	"
Benzene	ND		1000	"	"	LAD	"
Trichloroethene	**8440**		1000	"	"	LAD	"
1,2-Dichloropropane	ND		1000	"	"	LAD	"
Bromodichloromethane	ND		1000	"	"	LAD	"
4-Methyl-2-pentanone	ND		1000	"	"	LAD	"
cis-1,3-Dichloropropene	ND		1000	"	"	LAD	"
Toluene	**1570**		1000	"	"	LAD	"
trans-1,3-Dichloropropene	ND		1000	"	"	LAD	"
1,1,2-Trichloroethane	**1160**		1000	"	"	LAD	"
2-Hexanone	ND		1000	"	"	LAD	"
Tetrachloroethene	**1060**		1000	"	"	LAD	"
Dibromochloromethane	ND		1000	"	"	LAD	"
Chlorobenzene	**1120**		1000	"	"	LAD	"
Ethylbenzene	ND		1000	"	"	LAD	"
Xylenes (Total)	ND		3000	"	"	LAD	"
Styrene	ND		1000	"	"	LAD	"
Bromoform	ND		1000	"	"	LAD	"
1,1,2,2-Tetrachloroethane	ND		1000	"	"	LAD	"

CWM Chemical Services, LLC. **Reported: 04/09/15 06:50**

Client:	Aqueous Treatment	Project:	T-8000's	Sampled:	04/05/15 08:00
Work Order:	1504018	Project #:	CWM	Received:	04/06/15 07:00
Lab Sample ID:	1504018-02	Client Sample ID:	T-8001		Aqueous

Analyte	Result	Notes	Reporting Limit	Units	Analyzed	Analyst	Method
1,3-Dichlorobenzene	ND		1000	ug/L	04/06/15 18:45	LAD	EPA 8260C
1,4-Dichlorobenzene	ND		1000	"	"	LAD	"
1,2-Dichlorobenzene	**1820**		1000	"	"	LAD	"
Surrogate: 1,2-Dichloroethane-d4	*95.7 %*		*85-115*		"	LAD	"
Surrogate: Toluene-d8	*105 %*		*85-115*		"	LAD	"
Surrogate: 4-Bromofluorobenzene	*99.7 %*		*85-115*		"	LAD	"
Metals Soluble 200.7							
Prep Method *EPA 200.7*							
Silver	ND		0.0200	ug/mL	04/07/15 10:18	AAC	EPA 200.7 Rev 4.4
Arsenic	ND		0.100	"	"	AAC	"
Barium	ND		0.100	"	"	AAC	"
Beryllium	ND		0.0400	"	"	AAC	"
Cadmium	ND		0.0200	"	"	AAC	"
Cobalt	ND		0.100	"	"	AAC	"
Chromium	ND		0.100	"	"	AAC	"
Copper	ND		0.100	"	"	AAC	"
Iron	**2.16**		0.100	"	"	AAC	"
Manganese	**1.75**		0.100	"	"	AAC	"
Molybdenum	ND		0.100	"	"	AAC	"
Nickel	**0.228**		0.100	"	"	AAC	"
Lead	ND		0.100	"	"	AAC	"
Antimony	ND		0.100	"	"	AAC	"
Selenium	ND		0.100	"	"	AAC	"
Tin	ND		0.0400	"	"	AAC	"
Titanium	ND		0.0400	"	"	AAC	"
Thallium	ND		0.100	"	"	AAC	"
Vanadium	ND		0.100	"	"	AAC	"
Zinc	ND		0.100	"	"	AAC	"

ANALYTICAL REPORT

Lab Number:	L1531581
Client:	Waste Management 1550 Balmer Road Model City, NY 14107
ATTN:	Jonathan Rizzo
Phone:	(716) 286-0354
Project Name:	SPECIAL MONTHLY
Project Number:	T547.2045.329
Report Date:	12/14/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1531581-01	FP12_1	WATER	TOWN OF PORTER, NY	12/02/15 10:00	12/02/15
L1531581-02	FP12_2	WATER	TOWN OF PORTER, NY	12/02/15 10:10	12/02/15
L1531581-03	FP12_3	WATER	TOWN OF PORTER, NY	12/02/15 10:20	12/02/15
L1531581-04	FP12_4	WATER	TOWN OF PORTER, NY	12/02/15 10:30	12/02/15
L1531581-05	TB	WATER	TOWN OF PORTER, NY	12/02/15 10:30	12/02/15

Project Name:	SPECIAL MONTHLY	**Lab Number:**	L1531581
Project Number:	T547.2045.329	**Report Date:**	12/14/15

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. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

HOLD POLICY

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

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

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329
Lab Number: L1531581
Report Date: 12/14/15

Case Narrative (continued)

Report Submission

This report replaces the report issued December 09, 2015. The Volatile Organics 624 compound list has been corrected.

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

Volatile Organics by Method 624

The WG846849-7 LCS recoveries for methylene chloride (130%), 1,1-dichloroethane (123%), chloroform (128%), carbon tetrachloride (128%), 1,2-dichloroethane (115%), 1,1,1-trichloroethane (127%), benzene (123%), bromomethane (146%), vinyl chloride (124%), chloroethane (134%), 1,1-dichloroethene (129%), trans-1,2-dichloroethene (126%) and cis-1,2-dichloroethene (127%), associated with L1531581-01, -02, -04, and -05, are outside Alpha's acceptance criteria, but within the acceptance criteria specified in the method.

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: 12/14/15

ORGANICS

VOLATILES

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329
Lab Number: L1531581
Report Date: 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-01
Client ID: FP12_1
Sample Location: TOWN OF PORTER, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 12/06/15 22:28
Analyst: GT

Date Collected: 12/02/15 10:00
Date Received: 12/02/15
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
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: SPECIAL MONTHLY **Lab Number:** L1531581

Project Number: T547.2045.329 **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-01 Date Collected: 12/02/15 10:00

Client ID: FP12_1 Date Received: 12/02/15

Sample Location: TOWN OF PORTER, 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
Acetone[1]	ND		ug/l	10	1.8	1
2-Butanone[1]	ND		ug/l	10	2.2	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	112		80-120
Fluorobenzene	106		80-120
4-Bromofluorobenzene	98		80-120

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329
Lab Number: L1531581
Report Date: 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-02
Client ID: FP12_2
Sample Location: TOWN OF PORTER, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 12/06/15 23:01
Analyst: GT

Date Collected: 12/02/15 10:10
Date Received: 12/02/15
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
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: SPECIAL MONTHLY **Lab Number:** L1531581

Project Number: T547.2045.329 **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-02 Date Collected: 12/02/15 10:10

Client ID: FP12_2 Date Received: 12/02/15

Sample Location: TOWN OF PORTER, 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
Acetone[1]	ND		ug/l	10	1.8	1
2-Butanone[1]	ND		ug/l	10	2.2	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	107		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	96		80-120

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329
Lab Number: L1531581
Report Date: 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-03
Client ID: FP12_3
Sample Location: TOWN OF PORTER, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 12/07/15 20:56
Analyst: GT

Date Collected: 12/02/15 10:20
Date Received: 12/02/15
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
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: SPECIAL MONTHLY **Lab Number:** L1531581

Project Number: T547.2045.329 **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-03 Date Collected: 12/02/15 10:20

Client ID: FP12_3 Date Received: 12/02/15

Sample Location: TOWN OF PORTER, 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
Acetone[1]	ND		ug/l	10	1.8	1
2-Butanone[1]	ND		ug/l	10	2.2	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		80-120
Fluorobenzene	90		80-120
4-Bromofluorobenzene	98		80-120

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329
Lab Number: L1531581
Report Date: 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-04
Client ID: FP12_4
Sample Location: TOWN OF PORTER, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 12/06/15 21:55
Analyst: GT

Date Collected: 12/02/15 10:30
Date Received: 12/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	0.65	1
1,1-Dichloroethane	ND		ug/l	1.5	0.31	1
Chloroform	ND		ug/l	1.5	0.29	1
Carbon tetrachloride	ND		ug/l	1.0	0.33	1
1,2-Dichloropropane	ND		ug/l	3.5	0.28	1
Dibromochloromethane	ND		ug/l	1.0	0.33	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1
Tetrachloroethene	ND		ug/l	1.5	0.38	1
Chlorobenzene	ND		ug/l	3.5	0.32	1
Trichlorofluoromethane	ND		ug/l	5.0	0.33	1
1,2-Dichloroethane	ND		ug/l	1.5	0.36	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30	1
Bromodichloromethane	ND		ug/l	1.0	0.30	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32	1
Bromoform	ND		ug/l	1.0	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35	1
Benzene	ND		ug/l	1.0	0.31	1
Toluene	ND		ug/l	1.0	0.35	1
Ethylbenzene	ND		ug/l	1.0	0.33	1
Chloromethane	ND		ug/l	5.0	0.89	1
Bromomethane	1.5	J	ug/l	5.0	1.3	1
Vinyl chloride	ND		ug/l	1.0	0.30	1
Chloroethane	ND		ug/l	2.0	0.31	1
1,1-Dichloroethene	ND		ug/l	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34	1
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: SPECIAL MONTHLY **Lab Number:** L1531581

Project Number: T547.2045.329 **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-04 Date Collected: 12/02/15 10:30

Client ID: FP12_4 Date Received: 12/02/15

Sample Location: TOWN OF PORTER, 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
Acetone[1]	ND		ug/l	10	1.8	1
2-Butanone[1]	ND		ug/l	10	2.2	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	109		80-120
Fluorobenzene	107		80-120
4-Bromofluorobenzene	104		80-120

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329
Lab Number: L1531581
Report Date: 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-05
Client ID: TB
Sample Location: TOWN OF PORTER, NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 12/06/15 21:22
Analyst: GT

Date Collected: 12/02/15 10:30
Date Received: 12/02/15
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
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: SPECIAL MONTHLY **Lab Number:** L1531581

Project Number: T547.2045.329 **Report Date:** 12/14/15

SAMPLE RESULTS

Lab ID: L1531581-05 Date Collected: 12/02/15 10:30

Client ID: TB Date Received: 12/02/15

Sample Location: TOWN OF PORTER, 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
Acetone[1]	ND		ug/l	10	1.8	1
2-Butanone[1]	ND		ug/l	10	2.2	1
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	**121**	Q	80-120
Fluorobenzene	105		80-120
4-Bromofluorobenzene	111		80-120

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 12/06/15 19:37
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-05 Batch: WG846849-8					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.31
Chloroform	ND		ug/l	1.5	0.29
Carbon tetrachloride	ND		ug/l	1.0	0.33
1,2-Dichloropropane	ND		ug/l	3.5	0.28
Dibromochloromethane	ND		ug/l	1.0	0.33
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.38
Chlorobenzene	ND		ug/l	3.5	0.32
Trichlorofluoromethane	ND		ug/l	5.0	0.33
1,2-Dichloroethane	ND		ug/l	1.5	0.36
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.30
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.30
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.32
Bromoform	ND		ug/l	1.0	0.32
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.35
Benzene	ND		ug/l	1.0	0.31
Toluene	ND		ug/l	1.0	0.35
Ethylbenzene	ND		ug/l	1.0	0.33
Chloromethane	ND		ug/l	5.0	0.89
Bromomethane	1.9	J	ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	1.0	0.30
Chloroethane	ND		ug/l	2.0	0.31
1,1-Dichloroethene	ND		ug/l	1.0	0.28
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.34
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 12/06/15 19:37
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-05 Batch: WG846849-8					
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
Acetone[1]	ND		ug/l	10	1.8
2-Butanone[1]	ND		ug/l	10	2.2
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	111		80-120
Fluorobenzene	101		80-120
4-Bromofluorobenzene	103		80-120

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 12/07/15 14:35
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG847902-6					
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
Trichloroethene	ND		ug/l	1.0	0.33
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 12/07/15 14:35
Analyst: GT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG847902-6					
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
Acetone[1]	ND		ug/l	10	1.8
2-Butanone[1]	ND		ug/l	10	2.2
4-Methyl-2-pentanone[1]	ND		ug/l	10	2.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	106		80-120
Fluorobenzene	104		80-120
4-Bromofluorobenzene	94		80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SPECIAL MONTHLY

Project Number: T547.2045.329

Lab Number: L1531581

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05 Batch: WG846849-7								
Methylene chloride	**130**	Q	-		70-111	-		30
1,1-Dichloroethane	**123**	Q	-		78-116	-		30
Chloroform	**128**	Q	-		86-111	-		30
Carbon tetrachloride	**128**	Q	-		60-112	-		30
1,2-Dichloropropane	112		-		83-113	-		30
Dibromochloromethane	96		-		58-129	-		30
1,1,2-Trichloroethane	97		-		80-118	-		30
2-Chloroethylvinyl ether	94		-		69-124	-		30
Tetrachloroethene	96		-		80-126	-		30
Chlorobenzene	92		-		80-126	-		30
Trichlorofluoromethane	124		-		83-128	-		30
1,2-Dichloroethane	**115**	Q	-		82-110	-		30
1,1,1-Trichloroethane	**127**	Q	-		72-109	-		30
Bromodichloromethane	96		-		71-120	-		30
trans-1,3-Dichloropropene	99		-		73-106	-		30
cis-1,3-Dichloropropene	97		-		78-111	-		30
Bromoform	95		-		45-131	-		30
1,1,2,2-Tetrachloroethane	91		-		81-122	-		30
Benzene	**123**	Q	-		84-116	-		30
Toluene	96		-		83-121	-		30
Ethylbenzene	99		-		84-123	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SPECIAL MONTHLY

Project Number: T547.2045.329

Lab Number: L1531581

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05 Batch: WG846849-7								
Chloromethane	132		-		70-144	-		30
Bromomethane	**146**	Q	-		63-141	-		30
Vinyl chloride	**124**	Q	-		56-118	-		30
Chloroethane	**134**	Q	-		74-130	-		30
1,1-Dichloroethene	**129**	Q	-		77-116	-		30
trans-1,2-Dichloroethene	**126**	Q	-		81-121	-		30
cis-1,2-Dichloroethene[1]	**127**	Q	-		85-110	-		30
Trichloroethene	111		-		84-118	-		30
1,2-Dichlorobenzene	96		-		78-128	-		30
1,3-Dichlorobenzene	93		-		77-125	-		30
1,4-Dichlorobenzene	96		-		77-125	-		30
p/m-Xylene[1]	99		-		81-121	-		30
o-Xylene[1]	93		-		81-124	-		30
Styrene[1]	98		-		84-133	-		30
Acetone[1]	117		-		40-160	-		30
Carbon disulfide[1]	124		-		54-134	-		30
2-Butanone[1]	113		-		57-116	-		30
Vinyl acetate[1]	121		-		40-160	-		30
4-Methyl-2-pentanone[1]	86		-		79-125	-		30
2-Hexanone[1]	84		-		78-120	-		30
Acrolein[1]	**162**	Q	-		40-160	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SPECIAL MONTHLY

Project Number: T547.2045.329

Lab Number: L1531581

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05 Batch: WG846849-7								
Acrylonitrile[1]	119		-		66-123	-		30
Dibromomethane[1]	113		-		65-126	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	119				80-120
Fluorobenzene	108				80-120
4-Bromofluorobenzene	100				80-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SPECIAL MONTHLY

Project Number: T547.2045.329

Lab Number: L1531581

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG847902-5								
Methylene chloride	102		-		70-111	-		30
1,1-Dichloroethane	107		-		78-116	-		30
Chloroform	104		-		86-111	-		30
Carbon tetrachloride	103		-		60-112	-		30
1,2-Dichloropropane	105		-		83-113	-		30
Dibromochloromethane	97		-		58-129	-		30
1,1,2-Trichloroethane	100		-		80-118	-		30
2-Chloroethylvinyl ether	110		-		69-124	-		30
Tetrachloroethene	100		-		80-126	-		30
Chlorobenzene	95		-		80-126	-		30
Trichlorofluoromethane	107		-		83-128	-		30
1,2-Dichloroethane	103		-		82-110	-		30
1,1,1-Trichloroethane	106		-		72-109	-		30
Bromodichloromethane	96		-		71-120	-		30
trans-1,3-Dichloropropene	92		-		73-106	-		30
cis-1,3-Dichloropropene	99		-		78-111	-		30
Bromoform	94		-		45-131	-		30
1,1,2,2-Tetrachloroethane	97		-		81-122	-		30
Benzene	105		-		84-116	-		30
Toluene	100		-		83-121	-		30
Ethylbenzene	98		-		84-123	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SPECIAL MONTHLY

Project Number: T547.2045.329

Lab Number: L1531581

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG847902-5								
Chloromethane	104		-		70-144	-		30
Bromomethane	88		-		63-141	-		30
Vinyl chloride	104		-		56-118	-		30
Chloroethane	104		-		74-130	-		30
1,1-Dichloroethene	105		-		77-116	-		30
trans-1,2-Dichloroethene	104		-		81-121	-		30
cis-1,2-Dichloroethene[1]	103		-		85-110	-		30
Trichloroethene	106		-		84-118	-		30
1,2-Dichlorobenzene	92		-		78-128	-		30
1,3-Dichlorobenzene	91		-		77-125	-		30
1,4-Dichlorobenzene	91		-		77-125	-		30
p/m-Xylene[1]	96		-		81-121	-		30
o-Xylene[1]	95		-		81-124	-		30
Styrene[1]	95		-		84-133	-		30
Acetone[1]	104		-		40-160	-		30
Carbon disulfide[1]	133		-		54-134	-		30
2-Butanone[1]	98		-		57-116	-		30
Vinyl acetate[1]	98		-		40-160	-		30
4-Methyl-2-pentanone[1]	101		-		79-125	-		30
2-Hexanone[1]	99		-		78-120	-		30
Acrolein[1]	99		-		40-160	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SPECIAL MONTHLY

Project Number: T547.2045.329

Lab Number: L1531581

Report Date: 12/14/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG847902-5								
Acrylonitrile[1]	104		-		66-123	-		30
Methyl tert butyl ether[1]	**127**	Q	-		57-126	-		30
Dibromomethane[1]	102		-		65-126	-		30
1,4-Dioxane[1]	87		-		74-121	-		30
tert-Butyl Alcohol[1]	**117**	Q	-		52-114	-		30
Tertiary-Amyl Methyl Ether[1]	**112**	Q	-		66-111	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	104				80-120
Fluorobenzene	103				80-120
4-Bromofluorobenzene	99				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

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): 01-02,04-05 QC Batch ID: WG846849-4 QC Sample: L1531596-02 Client ID: MS Sample												
Methylene chloride	ND	200	290	**145**	Q	-	-		70-111	-		30
1,1-Dichloroethane	ND	200	280	**140**	Q	-	-		78-116	-		30
Chloroform	ND	200	260	**130**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	280	**138**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	260	**129**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	200	103		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	200	102		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	190	97		-	-		69-124	-		30
Tetrachloroethene	ND	200	210	104		-	-		80-126	-		30
Chlorobenzene	ND	200	180	91		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	290	**145**	Q	-	-		83-128	-		30
1,2-Dichloroethane	ND	200	250	**126**	Q	-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	270	**134**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	210	103		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	200	98		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	170	86		-	-		78-111	-		30
Bromoform	ND	200	190	94		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	180	90		-	-		81-122	-		30
Benzene	ND	200	260	**132**	Q	-	-		84-116	-		30
Toluene	ND	200	210	104		-	-		83-121	-		30
Ethylbenzene	ND	200	200	99		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

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): 01-02,04-05 QC Batch ID: WG846849-4 QC Sample: L1531596-02 Client ID: MS Sample												
Chloromethane	ND	200	290	144		-	-		70-144	-		30
Bromomethane	ND	200	170	86		-	-		63-141	-		30
Vinyl chloride	ND	200	280	**138**	Q	-	-		56-118	-		30
Chloroethane	ND	200	310	**154**	Q	-	-		74-130	-		30
1,1-Dichloroethene	ND	200	290	**143**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	290	**146**	Q	-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	250	**127**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	260	**130**	Q	-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	190	94		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	180	91		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	190	94		-	-		77-125	-		30
p/m-Xylene[1]	ND	400	410	103		-	-		81-121	-		30
o-Xylene[1]	ND	200	190	97		-	-		81-124	-		30
Styrene[1]	ND	200	210	104		-	-		84-133	-		30
Acetone[1]	8400	500	9000	125		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	290	**146**	Q	-	-		54-134	-		30
2-Butanone[1]	ND	500	570	115		-	-		57-116	-		30
Vinyl acetate[1]	ND	400	87J	**0**	Q	-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	490	97		-	-		79-125	-		30
2-Hexanone[1]	ND	500	470	94		-	-		78-120	-		30
Acrolein[1]	ND	400	460	114		-	-		40-160	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

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): 01-02,04-05 QC Batch ID: WG846849-4 QC Sample: L1531596-02 Client ID: MS Sample												
Acrylonitrile[1]	ND	400	550	**138**	Q	-	-		66-123	-		30
Dibromomethane[1]	ND	200	260	**132**	Q	-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	98				80-120
Fluorobenzene	114				80-120
Pentafluorobenzene	120				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

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): 03 QC Batch ID: WG847902-4 QC Sample: L1531956-02 Client ID: MS Sample												
Methylene chloride	ND	200	220	109		-	-		70-111	-		30
1,1-Dichloroethane	ND	200	240	**118**	Q	-	-		78-116	-		30
Chloroform	20	200	250	**115**	Q	-	-		86-111	-		30
Carbon tetrachloride	ND	200	230	**117**	Q	-	-		60-112	-		30
1,2-Dichloropropane	ND	200	230	**114**	Q	-	-		83-113	-		30
Dibromochloromethane	ND	200	200	100		-	-		58-129	-		30
1,1,2-Trichloroethane	ND	200	200	102		-	-		80-118	-		30
2-Chloroethylvinyl ether	ND	200	230	113		-	-		69-124	-		30
Tetrachloroethene	ND	200	220	108		-	-		80-126	-		30
Chlorobenzene	ND	200	200	99		-	-		80-126	-		30
Trichlorofluoromethane	ND	200	250	124		-	-		83-128	-		30
1,2-Dichloroethane	ND	200	220	110		-	-		82-110	-		30
1,1,1-Trichloroethane	ND	200	240	**119**	Q	-	-		72-109	-		30
Bromodichloromethane	ND	200	210	107		-	-		71-120	-		30
trans-1,3-Dichloropropene	ND	200	160	79		-	-		73-106	-		30
cis-1,3-Dichloropropene	ND	200	140	**71**	Q	-	-		78-111	-		30
Bromoform	ND	200	180	92		-	-		45-131	-		30
1,1,2,2-Tetrachloroethane	ND	200	200	99		-	-		81-122	-		30
Benzene	ND	200	230	**117**	Q	-	-		84-116	-		30
Toluene	ND	200	210	107		-	-		83-121	-		30
Ethylbenzene	120	200	340	110		-	-		84-123	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

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): 03 QC Batch ID: WG847902-4 QC Sample: L1531956-02 Client ID: MS Sample												
Chloromethane	ND	200	230	117		-	-		70-144	-		30
Bromomethane	ND	200	120	**62**	Q	-	-		63-141	-		30
Vinyl chloride	ND	200	250	**125**	Q	-	-		56-118	-		30
Chloroethane	ND	200	240	123		-	-		74-130	-		30
1,1-Dichloroethene	ND	200	240	**122**	Q	-	-		77-116	-		30
trans-1,2-Dichloroethene	ND	200	230	117		-	-		81-121	-		30
cis-1,2-Dichloroethene[1]	ND	200	230	**114**	Q	-	-		85-110	-		30
Trichloroethene	ND	200	230	117		-	-		84-118	-		30
1,2-Dichlorobenzene	ND	200	200	98		-	-		78-128	-		30
1,3-Dichlorobenzene	ND	200	190	96		-	-		77-125	-		30
1,4-Dichlorobenzene	ND	200	190	94		-	-		77-125	-		30
p/m-Xylene[1]	460	400	880	105		-	-		81-121	-		30
o-Xylene[1]	98	200	310	106		-	-		81-124	-		30
Styrene[1]	ND	200	200	102		-	-		84-133	-		30
Acetone[1]	82.J	500	570	114		-	-		40-160	-		30
Carbon disulfide[1]	ND	200	220	109		-	-		54-134	-		30
2-Butanone[1]	ND	500	470	95		-	-		57-116	-		30
Vinyl acetate[1]	ND	400	370	93		-	-		40-160	-		30
4-Methyl-2-pentanone[1]	ND	500	490	99		-	-		79-125	-		30
2-Hexanone[1]	ND	500	480	96		-	-		78-120	-		30
Acrolein[1]	ND	400	52J	**0**	Q	-	-		40-160	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

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): 03 QC Batch ID: WG847902-4 QC Sample: L1531956-02 Client ID: MS Sample												
Acrylonitrile[1]	ND	400	420	106		-	-		66-123	-		30
Dibromomethane[1]	ND	200	220	109		-	-		65-126	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	100				80-120
Fluorobenzene	108				80-120
Pentafluorobenzene	108				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05 QC Batch ID: WG846849-3 QC Sample: L1531596-02 Client ID: DUP Sample						
Methylene chloride	ND	ND	ug/l	NC		30
1,1-Dichloroethane	ND	ND	ug/l	NC		30
Chloroform	ND	ND	ug/l	NC		30
Carbon tetrachloride	ND	ND	ug/l	NC		30
1,2-Dichloropropane	ND	ND	ug/l	NC		30
Dibromochloromethane	ND	ND	ug/l	NC		30
1,1,2-Trichloroethane	ND	ND	ug/l	NC		30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC		30
Tetrachloroethene	ND	ND	ug/l	NC		30
Chlorobenzene	ND	ND	ug/l	NC		30
Trichlorofluoromethane	ND	ND	ug/l	NC		30
1,2-Dichloroethane	ND	ND	ug/l	NC		30
1,1,1-Trichloroethane	ND	ND	ug/l	NC		30
Bromodichloromethane	ND	ND	ug/l	NC		30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC		30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC		30
Bromoform	ND	ND	ug/l	NC		30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC		30
Benzene	ND	ND	ug/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05 QC Batch ID: WG846849-3 QC Sample: L1531596-02 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	ND	ND	ug/l	NC	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	ND	ND	ug/l	NC	30
o-Xylene[1]	ND	ND	ug/l	NC	30
Xylene (Total)[1]	ND	ND	ug/l	NC	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	8400	8000	ug/l	5	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-05 QC Batch ID: WG846849-3 QC Sample: L1531596-02 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	110		111		80-120
Fluorobenzene	107		106		80-120
4-Bromofluorobenzene	105		106		80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 QC Batch ID: WG847902-3 QC Sample: L1531956-02 Client ID: DUP Sample					
Methylene chloride	ND	ND	ug/l	NC	30
1,1-Dichloroethane	ND	ND	ug/l	NC	30
Chloroform	20	20	ug/l	0	30
Carbon tetrachloride	ND	ND	ug/l	NC	30
1,2-Dichloropropane	ND	ND	ug/l	NC	30
Dibromochloromethane	ND	ND	ug/l	NC	30
1,1,2-Trichloroethane	ND	ND	ug/l	NC	30
2-Chloroethylvinyl ether	ND	ND	ug/l	NC	30
Tetrachloroethene	ND	ND	ug/l	NC	30
Chlorobenzene	ND	ND	ug/l	NC	30
Trichlorofluoromethane	ND	ND	ug/l	NC	30
1,2-Dichloroethane	ND	ND	ug/l	NC	30
1,1,1-Trichloroethane	ND	ND	ug/l	NC	30
Bromodichloromethane	ND	ND	ug/l	NC	30
trans-1,3-Dichloropropene	ND	ND	ug/l	NC	30
cis-1,3-Dichloropropene	ND	ND	ug/l	NC	30
Bromoform	ND	ND	ug/l	NC	30
1,1,2,2-Tetrachloroethane	ND	ND	ug/l	NC	30
Benzene	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 QC Batch ID: WG847902-3 QC Sample: L1531956-02 Client ID: DUP Sample					
Toluene	ND	ND	ug/l	NC	30
Ethylbenzene	120	120	ug/l	0	30
Chloromethane	ND	ND	ug/l	NC	30
Bromomethane	ND	ND	ug/l	NC	30
Vinyl chloride	ND	ND	ug/l	NC	30
Chloroethane	ND	ND	ug/l	NC	30
1,1-Dichloroethene	ND	ND	ug/l	NC	30
trans-1,2-Dichloroethene	ND	ND	ug/l	NC	30
cis-1,2-Dichloroethene[1]	ND	ND	ug/l	NC	30
Trichloroethene	ND	ND	ug/l	NC	30
1,2-Dichlorobenzene	ND	ND	ug/l	NC	30
1,3-Dichlorobenzene	ND	ND	ug/l	NC	30
1,4-Dichlorobenzene	ND	ND	ug/l	NC	30
p/m-Xylene[1]	460	480	ug/l	4	30
o-Xylene[1]	98	100	ug/l	2	30
Xylene (Total)[1]	560	580	ug/l	0	30
Styrene[1]	ND	ND	ug/l	NC	30
Acetone[1]	82.J	80J	ug/l	NC	30
Carbon disulfide[1]	ND	ND	ug/l	NC	30

Lab Duplicate Analysis
Batch Quality Control

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 QC Batch ID: WG847902-3 QC Sample: L1531956-02 Client ID: DUP Sample					
2-Butanone[1]	ND	ND	ug/l	NC	30
Vinyl acetate[1]	ND	ND	ug/l	NC	30
4-Methyl-2-pentanone[1]	ND	ND	ug/l	NC	30
2-Hexanone[1]	ND	ND	ug/l	NC	30
Acrolein[1]	ND	ND	ug/l	NC	30
Acrylonitrile[1]	ND	ND	ug/l	NC	30
Dibromomethane[1]	ND	ND	ug/l	NC	30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	106		107		80-120
Fluorobenzene	106		106		80-120
4-Bromofluorobenzene	97		98		80-120

Project Name: SPECIAL MONTHLY
Project Number: T547.2045.329

Lab Number: L1531581
Report Date: 12/14/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1531581-01A	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-01B	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-01C	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-02A	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-02B	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-02C	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-03A	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-03B	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-03C	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-04A	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-04B	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-04C	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-05A	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)
L1531581-05B	Vial Na2S2O3 preserved	A	N/A	2.9	Y	Absent	624(3)

*Values in parentheses indicate holding time in days

Project Name:	SPECIAL MONTHLY	**Lab Number:**	L1531581
Project Number:	T547.2045.329	**Report Date:**	12/14/15

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.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

Report Format: DU Report with 'J' Qualifiers

Project Name:	SPECIAL MONTHLY	**Lab Number:**	L1531581
Project Number:	T547.2045.329	**Report Date:**	12/14/15

Data Qualifiers

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.

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:	SPECIAL MONTHLY	**Lab Number:**	L1531581
Project Number:	T547.2045.329	**Report Date:**	12/14/15

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene
EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene
EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.
EPA 1010A: NPW: Ignitability
EPA 6010C: NPW: Strontium; SCM: Strontium
EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene, Isopropanol; SCM: Iodomethane (methyl iodide), Methyl methacrylate (soil); 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Pentachloronitrobenzene, 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation
EPA 9038: NPW: Sulfate
EPA 9050A: NPW: Specific Conductance
EPA 9056: NPW: Chloride, Nitrate, Sulfate
EPA 9065: NPW: Phenols
EPA 9251: NPW: Chloride
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
EPA 8270D: NPW: Biphenyl; SCM: Biphenyl
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

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

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

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

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 12/3/15 ~~12/0/15~~

ALPHA Job # L1531581

Client Information

Client: Waste Management
Address: 1550 Balmer Road
Model City, NY 14107
Phone: 716-286-0354
Fax: 716-286-0224
Email: jrizzo@wm.com & jbanasz@wm.c

Project Information

Project Name: Special Monthly
Project Location: Town of Porter, NY
Project # T547.2045.329
(Use Project name as Project #) ☑
Project Manager: Candace Fox
ALPHAQuote #:

Turn-Around Time

Standard ☑ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☑ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☑ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other: NA

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS: 624

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	624	Sample Specific Comments	Total Bottles
31581-01	FP12_1	12/2/2015	1000	water	KH	3		3
02	FP12_2	12/2/2015	1010	water	KH	3		3
03	FP12_3	12/2/2015	1020	water	KH	3		3
04	FP12_4	12/2/2015	1030	water	KH	3		3
05	TB	12/2/2015	1030	water	KH	2		2

Container Type: A
Preservative: H

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	12-2-15 1100		12/5 1150
	12-3		12/3/15 00:35

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)