New York State Department of Environmental Conservation

Division of Environmental Remediation
Remedial Bureau A, 12th Floor

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MEMORANDUM

TO: FILE

FROM: Hayley Frank, Environmental Engineering Technician 1

SUBJECT: **Groundwater Monitoring April 2017**

Site Name: Farmingdale Plaza Cleaners **Site Code:** 130107

City: Farmingdale **County:** Nassau

DATE: 7/6/17

The Farmingdale Plaza Cleaners site is located in Farmingdale, NY; see Figure 1. Groundwater monitoring was performed at the above-referenced site in March and April of 2017 by the New York State Department of Environmental Conservation (NYSDEC). Details of the groundwater monitoring activities are presented below.

Groundwater Monitoring Procedures

Groundwater monitoring was performed on March 8, 2017 to determine groundwater elevations and place passive diffusion bags. The depth to the static water level was measured at 15 wells using a water interface probe. Measurements were recorded to the nearest 0.01 foot. These measurements are included in Table 1. On April 4, 2017, groundwater samples were collected from the passive diffusion bags.

Passive diffusion bags were used to sample 4 monitoring wells (MW-28C, MW-28D, MW-47C, and MW-48C). The length of the diffusion bags was 14 inches, and they were set approximately 3 feet off the bottom of the well. Quality assurance/quality control (QA/QC) samples were also obtained. A duplicate of MW-48C was taken along with a trip blank to assess the quality of the analytical results. Directly after obtaining all of the samples, they were delivered to Test America Laboratories, Inc., a New York State Department of Health NELAP-certified laboratory. All

samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) by EPA method 8260C. The laboratory results are included in Appendix B.

Groundwater Monitoring Results

The depth-to-water measurements were integrated with the well relative elevations to determine the groundwater flow direction. This is displayed in Figure 1. The flow direction was found to be to the south with a southwest component towards the pumping wells located near MW-25C.

The analytical results for VOCs are presented in Table 2. The primary site contaminant is tetrachloroethylene (PCE), and there were also exceedances of groundwater standards for dichlorodifluoromethane and 1,2-dichlorobenzene. The highest detection of a primary contaminant was PCE at 41 micrograms per liter (µg/l) at MW-28C, see Figure 2.

A comparison of the analytical results for 2015 and 2017 for the primary contaminants is presented in Table 3 for monitoring wells MW-28C, MW-28D, and MW-47C. The concentrations of all primary contaminants show negligible change from the 2015 sampling period to the 2017 sampling period.

Based on the review of the QA/QC samples (duplicate at MW-48C and a trip blank), and the laboratory narrative provided in Appendix B, the analytical results are considered to be usable for assessing groundwater trends.

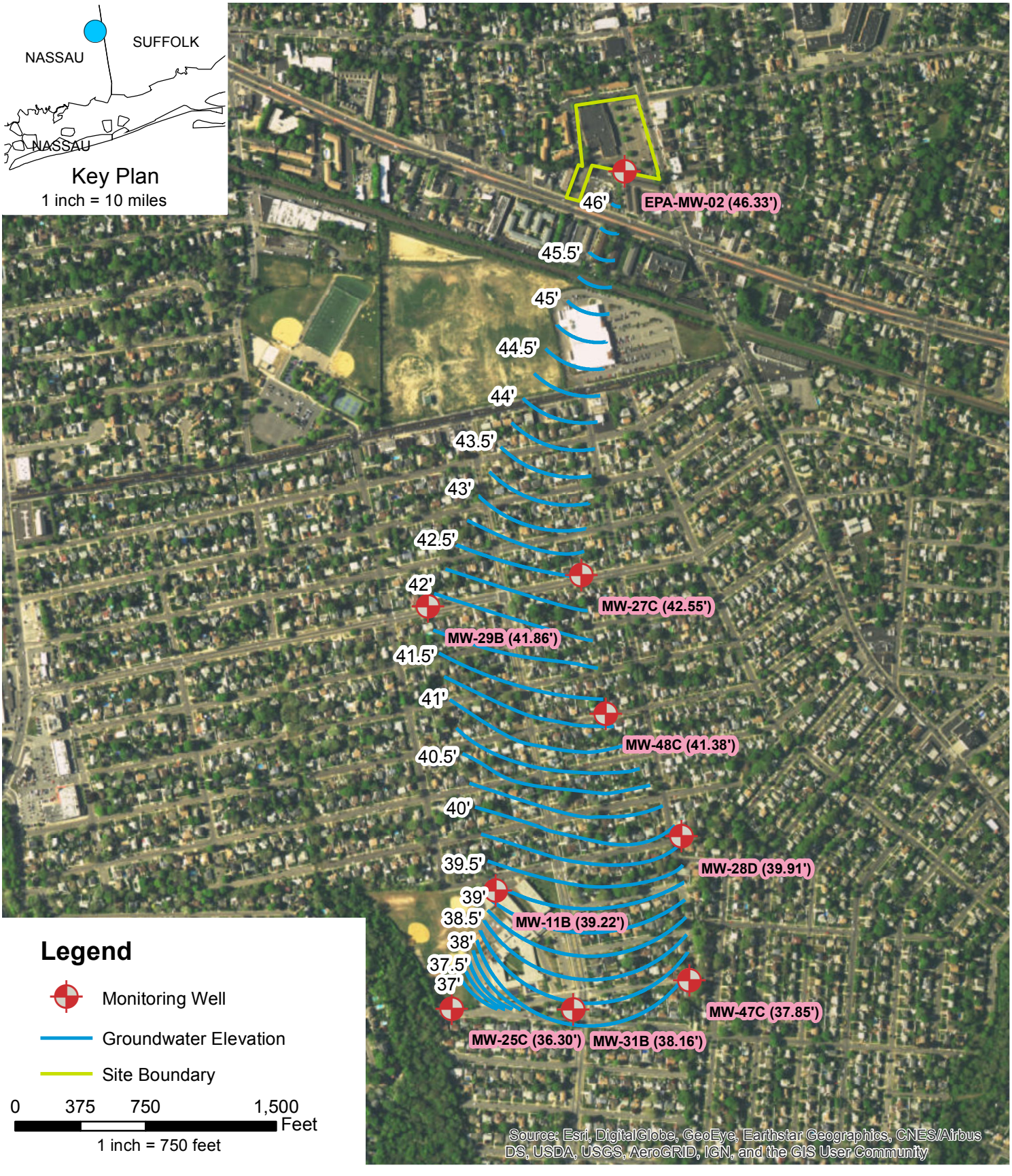
Site-Wide Inspections

The site is still a shopping plaza zoned for commercial use. A CVS pharmacy is presently located at the site.

Summary and Recommendations

Groundwater VOC concentrations were found to be consistent with the previous results for the site monitoring wells. This indicates that the plume area estimate is still accurate, and that the previously proposed remediation well near MW-47C would be an effective location.

Figures



NEW YORK STATE OF OPPORTUNITY
Department of Environmental Conservation

Figure 1: Groundwater Contour Map
March 8, 2017
Farmingdale Plaza Cleaners
Site No. 130107
Farmingdale, Nassau County, New York

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Department of Environmental Conservation

Figure 2: Tetrachloroethylene (PCE) Concentrations
April 4, 2017
Farmingdale Plaza Cleaners
Site No. 130107
Farmingdale, Nassau County, New York

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Tables

Table 1

Farmingdale Plaza Cleaners

Farmingdale, New York

Site Number: 130107

Monitoring Well Data for March 2017

Monitoring Well Identification	Casing Construction	Longitude	Latitude	Reference Elevation (ft AMSL)	Depth to Water (ft) (3/8/17)	Elevation of Ground Water (ft AMSL)
EPA-MW-2*	Flushmount	-73.44548932	40.72865045	67.00	20.67	46.33
MW-11B*	Flushmount	-73.448449	40.717324	50.12	10.90	39.22
MW-11C	Flushmount	-73.448561	40.717303	50.06	11.76	38.30
MW-11D	Flushmount	-73.448396	40.71733	50.19	11.75	38.44
MW-25C*	Flushmount	-73.449406	40.715479	44.41	8.11	36.30
MW-27C*	Flushmount	-73.44655988	40.72227256	61.00	18.45	42.55
MW-28C	Flushmount	-73.444688	40.71812723	56.06	16.31	39.75
MW-28D*	Flushmount	-73.44459167	40.718125	56.41	16.50	39.91
MW-29B*	Flushmount	-73.449758	40.721821	60.47	18.61	41.86
MW-29D	Flushmount	-73.449727	40.721829	60.61	19.10	41.51
MW-31B*	Flushmount	-73.44687999	40.71543334	53.48	15.32	38.16
MW-31C	Flushmount	-73.44687708	40.71545144	53.44	16.11	37.33
MW-31D	Flushmount	-73.44687032	40.71547814	53.30	16.10	37.20
MW-47C*	Flushmount	-73.44448333	40.71588333	56.64	18.79	37.85
MW-48C*	Flushmount	-73.4461	40.72008056	56.04	14.66	41.38

NOTES: 1. ft AMSL = feet above mean sea level
2. *Indicates well was used to create groundwater contour map
3. ND: No data

Table 2: Groundwater Analytical Results (April 4, 2017)							
VOC Analyte Concentration	Monitoring Well ID						Groundwater Standard
	MW-28C	MW-28D	MW-47C	MW-48C	MW-48C*	Trip Blank	
1,1-Dichloroethene	U	0.62 J	U	U	U	U	5.0
2-Butanone	U	U	U	U	U	U	50.0
cis-1,2-Dichloroethylene	0.34 J	U	U	U	U	U	5.0
Tetrachloroethylene (PCE)	41	36	U	10	11	U	5.0
Trichloroethylene (TCE)	1.4	U	U	2.7	3.0	U	5.0
Dichlorodifluoromethane	U	U	6.5	U	U	U	5.0
1,2-Dichlorobenzene	0.37 J	U	U	3.9	3.9	U	3.0
Chlorobenzene	0.43 J	U	U	0.28 J	0.32 J	U	5.0
Tert-Butyl Methyl Ether	5.3	U	U	U	U	U	10.0
Toluene	U	U	U	U	U	U	5.0
1,1,2-Trichloroethane	U	0.86 J	U	U	U	U	1.0
1,1-Dichloroethane	0.32 J	1.7	0.87 J	U	U	U	5.0
Chloroform	U	0.69 J	U	U	U	U	7.0

NOTES:
1. VOC = Volatile Organic Compound
2. Units are in micrograms per liter (ug/l)
3. U = Analyte was not detected above the laboratory method detection limit
4. J = The reported value is estimated
5. Highlighted values indicate exceedances of NYSDEC Groundwater Standards
6. *Duplicate sample

Table 3: Groundwater Analytical Results Comparison (2012-2017)									
VOC Analyte Concentration	Monitoring Well ID								
	MW-28C			MW-28D			MW-47C		
	Mar 2012	Aug 2015	Apr 2017	Mar 2012	Aug 2015	Apr 2017	Mar 2012	Aug 2015	Apr 2017
Tetrachloroethylene (PCE)	74	48	41	78	42	36	ND	U	U
Dichlorodifluoromethane	U	U	U	U	U	U	ND	5.3	6.5
1,2-Dichlorobenzene	U	U	0.37 J	U	U	U	ND	U	U

NOTES:
1. VOC = Volatile Organic Compound
2. Units are in micrograms per liter (ug/l)
3. U = Analyte was not detected above the laboratory method detection limit
4. J = The reported value is estimated
5. ND = No Data

Appendix A
Field Forms March 2017
Farmingdale Plaza Cleaners

Figure 4

Plumes are 5ug/l of respective contaminents

Plume Images from Farmingdale Plaza OU2 ROD

New York State Department of Environmental Conservation
September 2015
Farmingdale Plaza Cleaners
Site No. 130107
Farmingdale, Nassau County ,New York

Appendix B
Laboratory Results Sampled March 2017
Farmingdale Plaza Cleaners

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 460-131125-1

Job Description: DEC Farmingdale Plaza Cleaners #130107

Contract Number: C008010

For:
New York State D.E.C.
625 Broadway 9th Floor
Albany, NY 12233-7258

Attention: Mr. Brian Jankauskas

Approved for release.
Allison L Bennett
Project Management Assistant II
4/18/2017 12:02 PM

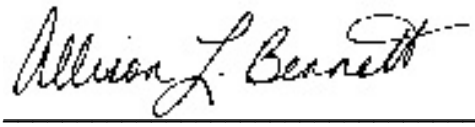
Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
04/18/2017

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

Job Number: 460-131125-1

Job Description: DEC Farmingdale Plaza Cleaners #130107

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Allison L Bennett
Project Management Assistant II
4/18/2017 12:02 PM

Designee for
Melissa Haas

Table of Contents

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC Farmingdale Plaza Cleaners #130107

Report Number: 460-131125-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 4/5/2017 6:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples MW-47C-42017 (460-131125-1), TB-42017 (460-131125-2), MW-28C-42017 (460-131125-3), MW-28D-42017 (460-131125-4), DUP-42017 (460-131125-5) and MW-48C-42017 (460-131125-6) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 04/15/2017.

The continuing calibration verification (CCV) associated with batch 430489 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-430581 was outside the method criteria for the following analyte(s): Dichlorodifluoromethane, Methyl tert-butyl ether and 1,1,2-Trichloro-1,2,2-trifluoroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-430581 recovered outside control limits for the following analytes: cis-1,3-Dichloropropene, 1,1,2-Trichloro-1,2,2-trifluoroethane and Methyl tert-butyl ether. These analytes were not detected in the associated samples.

2-Butanone (MEK) failed the recovery criteria high for the MS of sample 460-131030-3 in batch 460-430489.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - SELECTED ION MODE (SIM)
Samples MW-28C-42017 (460-131125-3) and MW-28D-42017 (460-131125-4) were analyzed for volatile organic compounds (GC-MS) - Selected Ion Mode (SIM) in accordance with EPA SW-846 Method 8260C SIM. The samples were analyzed on 04/10/2017.

No difficulties were encountered during the volatiles - SIM analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C. Job Number: 460-131125-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-131125-1	**MW-47C-42017**					
1,1-Dichloroethane		0.87	J	1.0	ug/L	8260C
Acetone		35		5.0	ug/L	8260C
Dichlorodifluoromethane		6.5		1.0	ug/L	8260C
460-131125-3	**MW-28C-42017**					
1,1-Dichloroethane		0.32	J	1.0	ug/L	8260C
1,2-Dichlorobenzene		0.37	J	1.0	ug/L	8260C
Acetone		21		5.0	ug/L	8260C
Chlorobenzene		0.43	J	1.0	ug/L	8260C
cis-1,2-Dichloroethene		0.34	J	1.0	ug/L	8260C
Methyl tert-butyl ether		5.3		1.0	ug/L	8260C
Tetrachloroethene		41		1.0	ug/L	8260C
Trichloroethene		1.4		1.0	ug/L	8260C
460-131125-4	**MW-28D-42017**					
1,1,1-Trichloroethane		0.42	J	1.0	ug/L	8260C
1,1,2-Trichloroethane		0.86	J	1.0	ug/L	8260C
1,1-Dichloroethane		1.7		1.0	ug/L	8260C
1,1-Dichloroethene		0.62	J	1.0	ug/L	8260C
Acetone		24		5.0	ug/L	8260C
Benzene		0.86	J	1.0	ug/L	8260C
Chloroform		0.69	J	1.0	ug/L	8260C
Tetrachloroethene		36		1.0	ug/L	8260C
460-131125-5	**DUP-42017**					
1,2-Dichlorobenzene		3.9		1.0	ug/L	8260C
Acetone		24		5.0	ug/L	8260C
Benzene		3.1		1.0	ug/L	8260C
Chlorobenzene		0.32	J	1.0	ug/L	8260C
Tetrachloroethene		11		1.0	ug/L	8260C
Trichloroethene		3.0		1.0	ug/L	8260C
460-131125-6	**MW-48C-42017**					
1,2-Dichlorobenzene		3.9		1.0	ug/L	8260C
Acetone		27		5.0	ug/L	8260C
Benzene		3.0		1.0	ug/L	8260C
Chlorobenzene		0.28	J	1.0	ug/L	8260C
Tetrachloroethene		10		1.0	ug/L	8260C
Trichloroethene		2.7		1.0	ug/L	8260C

METHOD SUMMARY

Client: New York State D.E.C. Job Number: 460-131125-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C
Volatile Organic Compounds (GC/MS)	TAL EDI	SW846 8260C SIM	
Purge and Trap	TAL EDI		SW846 5030C

Lab References:

TAL EDI = TestAmerica Edison

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: New York State D.E.C. Job Number: 460-131125-1

Method	Analyst	Analyst ID
SW846 8260C	Martinez, Eddie	EMM
SW846 8260C SIM	Starzec, Margaret	MZS

SAMPLE SUMMARY

Client: New York State D.E.C. Job Number: 460-131125-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-131125-1	MW-47C-42017	Water	04/04/2017 0555	04/05/2017 1840
460-131125-2	TB-42017	Water	04/04/2017 0000	04/05/2017 1840
460-131125-3	MW-28C-42017	Water	04/04/2017 0620	04/05/2017 1840
460-131125-4	MW-28D-42017	Water	04/04/2017 0630	04/05/2017 1840
460-131125-5	DUP-42017	Water	04/04/2017 0000	04/05/2017 1840
460-131125-6	MW-48C-42017	Water	04/04/2017 0650	04/05/2017 1840

SAMPLE RESULTS

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: **MW-47C-42017**

Lab Sample ID: 460-131125-1 Date Sampled: 04/04/2017 0555
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45849.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0836			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0836				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.87	J	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	35		1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	6.5		0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: **MW-47C-42017**

Lab Sample ID: 460-131125-1 Date Sampled: 04/04/2017 0555
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45849.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0836			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0836				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95		74 - 132
4-Bromofluorobenzene	100		77 - 124
Dibromofluoromethane (Surr)	104		72 - 131
Toluene-d8 (Surr)	93		80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: TB-42017

Lab Sample ID: 460-131125-2 Date Sampled: 04/04/2017 0000
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45836.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0337			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0337				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	0.12	U	0.12	1.0

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: TB-42017

Lab Sample ID: 460-131125-2 Date Sampled: 04/04/2017 0000
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45836.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0337			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0337				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		74 - 132
4-Bromofluorobenzene	97		77 - 124
Dibromofluoromethane (Surr)	100		72 - 131
Toluene-d8 (Surr)	91		80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: MW-28C-42017

Lab Sample ID: 460-131125-3 Date Sampled: 04/04/2017 0620
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45850.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0859			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0859				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.32	J	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.37	J	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	21		1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.43	J	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.34	J	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	5.3		0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	41		0.12	1.0
Toluene	0.25	U	0.25	1.0

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: MW-28C-42017

Lab Sample ID: 460-131125-3 Date Sampled: 04/04/2017 0620
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45850.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0859			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0859				

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	1.4		0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		74 - 132
4-Bromofluorobenzene	99		77 - 124
Dibromofluoromethane (Surr)	105		72 - 131
Toluene-d8 (Surr)	94		80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: **MW-28D-42017**

Lab Sample ID: 460-131125-4 Date Sampled: 04/04/2017 0630
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45851.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0922			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0922				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.42	J	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.86	J	0.080	1.0
1,1-Dichloroethane	1.7		0.24	1.0
1,1-Dichloroethene	0.62	J	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	24		1.1	5.0
Benzene	0.86	J	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.69	J	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	36		0.12	1.0
Toluene	0.25	U	0.25	1.0

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: MW-28D-42017

Lab Sample ID: 460-131125-4 Date Sampled: 04/04/2017 0630
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45851.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0922			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0922				

Analyte	Result (ug/L)	Qualifier	MDL	RL
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		74 - 132
4-Bromofluorobenzene	99		77 - 124
Dibromofluoromethane (Surr)	105		72 - 131
Toluene-d8 (Surr)	92		80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: DUP-42017

Lab Sample ID: 460-131125-5 Date Sampled: 04/04/2017 0000
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45852.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0945			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0945				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	3.9		0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	24		1.1	5.0
Benzene	3.1		0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.32	J	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	11		0.12	1.0

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: DUP-42017

Lab Sample ID: 460-131125-5 Date Sampled: 04/04/2017 0000
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45852.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0945			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0945				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	3.0		0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		74 - 132
4-Bromofluorobenzene	101		77 - 124
Dibromofluoromethane (Surr)	106		72 - 131
Toluene-d8 (Surr)	94		80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: **MW-48C-42017**

Lab Sample ID: 460-131125-6 Date Sampled: 04/04/2017 0650
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430581	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45861.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 1417			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 1417				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U *	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	3.9		0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	27		1.1	5.0
Benzene	3.0		0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.28	J	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U *	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U *	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0
Tetrachloroethene	10		0.12	1.0

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: **MW-48C-42017**

Lab Sample ID: 460-131125-6 Date Sampled: 04/04/2017 0650
Client Matrix: Water Date Received: 04/05/2017 1840

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-430581	Instrument ID:	CVOAMS6
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	F45861.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 1417			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 1417				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	2.7		0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		74 - 132
4-Bromofluorobenzene	98		77 - 124
Dibromofluoromethane (Surr)	108		72 - 131
Toluene-d8 (Surr)	95		80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: MW-28C-42017

Lab Sample ID: 460-131125-3 Date Sampled: 04/04/2017 0620
Client Matrix: Water Date Received: 04/05/2017 1840

8260C SIM Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C SIM	Analysis Batch:	460-429209	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N04426.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/10/2017 0840			Final Weight/Volume:	5 mL
Prep Date:	04/10/2017 0840				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.20	U	0.20	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		71 - 144
4-Bromofluorobenzene	106		72 - 133

Client: New York State D.E.C. Job Number: 460-131125-1

Client Sample ID: MW-28D-42017

Lab Sample ID: 460-131125-4 Date Sampled: 04/04/2017 0630
Client Matrix: Water Date Received: 04/05/2017 1840

8260C SIM Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C SIM	Analysis Batch:	460-429209	Instrument ID:	CVOAMS11
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	N04427.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/10/2017 0903			Final Weight/Volume:	5 mL
Prep Date:	04/10/2017 0903				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,4-Dioxane	0.20	U	0.20	0.40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		71 - 144
4-Bromofluorobenzene	109		72 - 133

DATA REPORTING QUALIFIERS

Client: New York State D.E.C. Job Number: 460-131125-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD is outside acceptance limits.
	F1	MS and/or MSD Recovery is outside acceptance limits.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

QUALITY CONTROL RESULTS

Client: New York State D.E.C. Job Number: 460-131125-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-429209					
LCS 460-429209/3	Lab Control Sample	T	Water	8260C SIM	
LCSD 460-429209/4	Lab Control Sample Duplicate	T	Water	8260C SIM	
MB 460-429209/7	Method Blank	T	Water	8260C SIM	
460-131125-3	MW-28C-42017	T	Water	8260C SIM	
460-131125-4	MW-28D-42017	T	Water	8260C SIM	
Analysis Batch:460-430489					
LCS 460-430489/4	Lab Control Sample	T	Water	8260C	
MB 460-430489/7	Method Blank	T	Water	8260C	
460-131030-A-3 MS	Matrix Spike	T	Water	8260C	
460-131030-A-3 MSD	Matrix Spike Duplicate	T	Water	8260C	
460-131125-1	MW-47C-42017	T	Water	8260C	
460-131125-2	TB-42017	T	Water	8260C	
460-131125-3	MW-28C-42017	T	Water	8260C	
460-131125-4	MW-28D-42017	T	Water	8260C	
460-131125-5	DUP-42017	T	Water	8260C	
Analysis Batch:460-430581					
LCS 460-430581/3	Lab Control Sample	T	Water	8260C	
MB 460-430581/8	Method Blank	T	Water	8260C	
460-131125-6	MW-48C-42017	T	Water	8260C	
460-131170-A-6 MS	Matrix Spike	T	Water	8260C	
460-131170-A-6 MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis
T = Total

Client: New York State D.E.C. Job Number: 460-131125-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-131125-1	MW-47C-42017	95	100	104	93
460-131125-2	TB-42017	92	97	100	91
460-131125-3	MW-28C-42017	94	99	105	94
460-131125-4	MW-28D-42017	96	99	105	92
460-131125-5	DUP-42017	100	101	106	94
460-131125-6	MW-48C-42017	99	98	108	95
MB 460-430489/7		96	100	104	94
MB 460-430581/8		95	100	104	95
LCS 460-430489/4		95	101	101	91
LCS 460-430581/3		94	100	104	94
460-131030-A-3 MS		92	98	102	94
460-131170-A-6 MS		95	97	104	94
460-131030-A-3 MSD		96	97	103	95
460-131170-A-6 MSD		96	95	101	91

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
BFB = 4-Bromofluorobenzene	77-124
DBFM = Dibromofluoromethane (Surr)	72-131
TOL = Toluene-d8 (Surr)	80-120

Client: New York State D.E.C. Job Number: 460-131125-1

Surrogate Recovery Report

8260C SIM Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec
460-131125-3	MW-28C-42017	117	106
460-131125-4	MW-28D-42017	103	109
MB 460-429209/7		125	106
LCS 460-429209/3		126	110
LCSD 460-429209/4		128	108

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	71-144
BFB = 4-Bromofluorobenzene	72-133

Client: New York State D.E.C. Job Number: 460-131125-1

Method Blank - Batch: 460-430489

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-430489/7	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45834.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0251	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0251				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0

Client: New York State D.E.C. Job Number: 460-131125-1

Method Blank - Batch: 460-430489

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-430489/7	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45834.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0251	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0251				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96	74 - 132
4-Bromofluorobenzene	100	77 - 124
Dibromofluoromethane (Surr)	104	72 - 131
Toluene-d8 (Surr)	94	80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Lab Control Sample - Batch: 460-430489

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-430489/4	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45831.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0142	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0142				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	19.0	95	75 - 125	
1,1,2,2-Tetrachloroethane	20.0	18.1	91	74 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	13.1	66	59 - 150	
1,1,2-Trichloroethane	20.0	19.8	99	78 - 120	
1,1-Dichloroethane	20.0	20.2	101	77 - 123	
1,1-Dichloroethene	20.0	20.0	100	74 - 123	
1,2,3-Trichlorobenzene	20.0	20.5	102	78 - 131	
1,2,4-Trichlorobenzene	20.0	21.1	106	80 - 124	
1,2-Dibromo-3-Chloropropane	20.0	19.8	99	55 - 134	
1,2-Dichlorobenzene	20.0	21.5	108	80 - 120	
1,2-Dichloroethane	20.0	20.4	102	76 - 121	
1,2-Dichloropropane	20.0	17.9	90	77 - 123	
1,3-Dichlorobenzene	20.0	21.3	107	80 - 120	
1,4-Dichlorobenzene	20.0	21.0	105	80 - 120	
1,4-Dioxane	400	485	121	10 - 150	
2-Butanone (MEK)	100	112	112	64 - 120	
2-Hexanone	100	95.4	95	71 - 125	
4-Methyl-2-pentanone (MIBK)	100	94.9	95	78 - 124	
Acetone	100	102	102	39 - 150	
Benzene	20.0	20.0	100	77 - 121	
Bromoform	20.0	20.3	101	53 - 120	
Bromomethane	20.0	20.4	102	10 - 150	
Carbon disulfide	20.0	16.4	82	69 - 133	
Carbon tetrachloride	20.0	21.0	105	70 - 132	
Chlorobenzene	20.0	21.0	105	80 - 120	
Chlorobromomethane	20.0	23.2	116	77 - 127	
Chlorodibromomethane	20.0	20.6	103	73 - 120	
Chloroethane	20.0	19.5	98	52 - 150	
Chloroform	20.0	21.5	108	80 - 120	
Chloromethane	20.0	21.0	105	56 - 131	
cis-1,2-Dichloroethene	20.0	21.8	109	80 - 120	
cis-1,3-Dichloropropene	20.0	18.2	91	77 - 120	
Cyclohexane	20.0	17.0	85	56 - 150	
Dichlorobromomethane	20.0	19.9	99	76 - 120	
Dichlorodifluoromethane	20.0	18.1	91	50 - 131	
Ethylbenzene	20.0	21.1	106	80 - 120	
Ethylene Dibromide	20.0	21.7	109	80 - 120	
Isopropylbenzene	20.0	20.7	103	80 - 123	
Methyl acetate	100	103	103	66 - 144	
Methyl tert-butyl ether	20.0	16.3	81	79 - 122	
Methylcyclohexane	20.0	21.0	105	61 - 145	

Client: New York State D.E.C. Job Number: 460-131125-1

Lab Control Sample - Batch: 460-430489

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-430489/4	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45831.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0142	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0142				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methylene Chloride	20.0	18.7	94	77 - 123	
m-Xylene & p-Xylene	20.0	20.9	104	80 - 120	
o-Xylene	20.0	20.2	101	80 - 120	
Styrene	20.0	21.3	106	80 - 120	
Tetrachloroethene	20.0	23.2	116	78 - 122	
Toluene	20.0	20.3	101	80 - 120	
trans-1,2-Dichloroethene	20.0	22.5	112	79 - 120	
trans-1,3-Dichloropropene	20.0	18.9	95	76 - 120	
Trichloroethene	20.0	22.2	111	77 - 120	
Trichlorofluoromethane	20.0	18.3	92	71 - 143	
Vinyl chloride	20.0	17.3	86	62 - 138	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	74 - 132
4-Bromofluorobenzene	101	77 - 124
Dibromofluoromethane (Surr)	101	72 - 131
Toluene-d8 (Surr)	91	80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-430489

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-131030-A-3 MS	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45841.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0533			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0533				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-131030-A-3 MSD	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45842.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0555			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0555				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1-Trichloroethane	90	86	75 - 125	4	30		
1,1,2,2-Tetrachloroethane	98	91	74 - 120	8	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	66	64	59 - 150	4	30		
1,1,2-Trichloroethane	98	96	78 - 120	2	30		
1,1-Dichloroethane	103	100	77 - 123	3	30		
1,1-Dichloroethene	102	86	74 - 123	17	30		
1,2,3-Trichlorobenzene	104	96	78 - 131	7	30		
1,2,4-Trichlorobenzene	102	99	80 - 124	3	30		
1,2-Dibromo-3-Chloropropane	92	85	55 - 134	7	30		
1,2-Dichlorobenzene	110	105	80 - 120	4	30		
1,2-Dichloroethane	100	103	76 - 121	3	30		
1,2-Dichloropropane	89	88	77 - 123	1	30		
1,3-Dichlorobenzene	108	103	80 - 120	5	30		
1,4-Dichlorobenzene	108	100	80 - 120	8	30		
1,4-Dioxane	111	125	10 - 150	12	30		
2-Butanone (MEK)	121	106	64 - 120	14	30	F1	
2-Hexanone	105	102	71 - 125	3	30		
4-Methyl-2-pentanone (MIBK)	114	106	78 - 124	8	30		
Acetone	107	106	39 - 150	1	30		
Benzene	105	99	77 - 121	5	30		
Bromoform	96	92	53 - 120	5	30		
Bromomethane	94	96	10 - 150	2	30		
Carbon disulfide	78	75	69 - 133	4	30		
Carbon tetrachloride	103	101	70 - 132	2	30		
Chlorobenzene	106	102	80 - 120	4	30		
Chlorobromomethane	113	108	77 - 127	5	30		
Chlorodibromomethane	102	96	73 - 120	7	30		
Chloroethane	91	88	52 - 150	3	30		
Chloroform	110	108	80 - 120	2	30		
Chloromethane	100	101	56 - 131	1	30		
cis-1,2-Dichloroethene	111	108	80 - 120	2	30		
cis-1,3-Dichloropropene	87	83	77 - 120	5	30		

Client: New York State D.E.C. Job Number: 460-131125-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-430489

Method: 8260C
Preparation: 5030C

MS Lab Sample ID:	460-131030-A-3 MS	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45841.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0533			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0533				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	460-131030-A-3 MSD	Analysis Batch:	460-430489	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45842.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 0555			Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 0555				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cyclohexane	83	81	56 - 150	3	30		
Dichlorobromomethane	95	91	76 - 120	4	30		
Dichlorodifluoromethane	83	84	50 - 131	1	30		
Ethylbenzene	110	101	80 - 120	8	30		
Ethylene Dibromide	105	104	80 - 120	1	30		
Isopropylbenzene	103	98	80 - 123	6	30		
Methyl acetate	98	93	66 - 144	5	30		
Methyl tert-butyl ether	80	80	79 - 122	0	30		
Methylcyclohexane	97	97	61 - 145	1	30		
Methylene Chloride	96	96	77 - 123	1	30		
m-Xylene & p-Xylene	106	105	80 - 120	2	30		
o-Xylene	105	99	80 - 120	5	30		
Styrene	107	102	80 - 120	5	30		
Tetrachloroethene	122	110	78 - 122	10	30		
Toluene	107	102	80 - 120	5	30		
trans-1,2-Dichloroethene	110	103	79 - 120	6	30		
trans-1,3-Dichloropropene	87	86	76 - 120	1	30		
Trichloroethene	94	92	77 - 120	1	30		
Trichlorofluoromethane	87	87	71 - 143	0	30		
Vinyl chloride	82	83	62 - 138	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	96	74 - 132
4-Bromofluorobenzene	98	97	77 - 124
Dibromofluoromethane (Surr)	102	103	72 - 131
Toluene-d8 (Surr)	94	95	80 - 120

Client: New York State D.E.C. Job Number: 460-131125-1

Method Blank - Batch: 460-430581

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-430581/8	Analysis Batch:	460-430581	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45860.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 1354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 1354				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.28	U	0.28	1.0
1,1,2,2-Tetrachloroethane	0.19	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	0.34	U	0.34	1.0
1,1,2-Trichloroethane	0.080	U	0.080	1.0
1,1-Dichloroethane	0.24	U	0.24	1.0
1,1-Dichloroethene	0.34	U	0.34	1.0
1,2,3-Trichlorobenzene	0.35	U	0.35	1.0
1,2,4-Trichlorobenzene	0.27	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	0.23	U	0.23	1.0
1,2-Dichlorobenzene	0.22	U	0.22	1.0
1,2-Dichloroethane	0.25	U	0.25	1.0
1,2-Dichloropropane	0.18	U	0.18	1.0
1,3-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dichlorobenzene	0.33	U	0.33	1.0
1,4-Dioxane	8.7	U	8.7	50
2-Butanone (MEK)	2.2	U	2.2	5.0
2-Hexanone	0.72	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	0.63	U	0.63	5.0
Acetone	1.1	U	1.1	5.0
Benzene	0.090	U	0.090	1.0
Bromoform	0.18	U	0.18	1.0
Bromomethane	0.18	U	0.18	1.0
Carbon disulfide	0.22	U	0.22	1.0
Carbon tetrachloride	0.33	U	0.33	1.0
Chlorobenzene	0.24	U	0.24	1.0
Chlorobromomethane	0.30	U	0.30	1.0
Chlorodibromomethane	0.22	U	0.22	1.0
Chloroethane	0.37	U	0.37	1.0
Chloroform	0.22	U	0.22	1.0
Chloromethane	0.22	U	0.22	1.0
cis-1,2-Dichloroethene	0.26	U	0.26	1.0
cis-1,3-Dichloropropene	0.16	U	0.16	1.0
Cyclohexane	0.26	U	0.26	1.0
Dichlorobromomethane	0.15	U	0.15	1.0
Dichlorodifluoromethane	0.14	U	0.14	1.0
Ethylbenzene	0.30	U	0.30	1.0
Ethylene Dibromide	0.19	U	0.19	1.0
Isopropylbenzene	0.32	U	0.32	1.0
Methyl acetate	0.58	U	0.58	5.0
Methyl tert-butyl ether	0.13	U	0.13	1.0
Methylcyclohexane	0.22	U	0.22	1.0
Methylene Chloride	0.21	U	0.21	1.0
m-Xylene & p-Xylene	0.28	U	0.28	1.0
o-Xylene	0.32	U	0.32	1.0
Styrene	0.17	U	0.17	1.0

Client: New York State D.E.C. Job Number: 460-131125-1

Method Blank - Batch: 460-430581

Method: 8260C
Preparation: 5030C

Lab Sample ID:	MB 460-430581/8	Analysis Batch:	460-430581	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45860.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 1354	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 1354				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	0.12	U	0.12	1.0
Toluene	0.25	U	0.25	1.0
trans-1,2-Dichloroethene	0.18	U	0.18	1.0
trans-1,3-Dichloropropene	0.19	U	0.19	1.0
Trichloroethene	0.22	U	0.22	1.0
Trichlorofluoromethane	0.15	U	0.15	1.0
Vinyl chloride	0.060	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	74 - 132
4-Bromofluorobenzene	100	77 - 124
Dibromofluoromethane (Surr)	104	72 - 131
Toluene-d8 (Surr)	95	80 - 120

Lab Control Sample - Batch: 460-430581

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-430581/3	Analysis Batch:	460-430581	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45855.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 1140	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 1140				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	16.9	85	75 - 125	
1,1,2,2-Tetrachloroethane	20.0	17.3	87	74 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	11.2	56	59 - 150	*
1,1,2-Trichloroethane	20.0	17.8	89	78 - 120	
1,1-Dichloroethane	20.0	17.3	86	77 - 123	
1,1-Dichloroethene	20.0	17.5	87	74 - 123	
1,2,3-Trichlorobenzene	20.0	18.5	92	78 - 131	
1,2,4-Trichlorobenzene	20.0	18.4	92	80 - 124	
1,2-Dibromo-3-Chloropropane	20.0	16.5	83	55 - 134	
1,2-Dichlorobenzene	20.0	19.2	96	80 - 120	
1,2-Dichloroethane	20.0	18.0	90	76 - 121	
1,2-Dichloropropane	20.0	16.2	81	77 - 123	
1,3-Dichlorobenzene	20.0	19.0	95	80 - 120	
1,4-Dichlorobenzene	20.0	18.7	94	80 - 120	
1,4-Dioxane	400	449	112	10 - 150	
2-Butanone (MEK)	100	114	114	64 - 120	
2-Hexanone	100	105	105	71 - 125	
4-Methyl-2-pentanone (MIBK)	100	101	101	78 - 124	
Acetone	100	116	116	39 - 150	
Benzene	20.0	18.2	91	77 - 121	
Bromoform	20.0	18.2	91	53 - 120	
Bromomethane	20.0	18.0	90	10 - 150	
Carbon disulfide	20.0	14.1	70	69 - 133	
Carbon tetrachloride	20.0	18.4	92	70 - 132	
Chlorobenzene	20.0	18.7	93	80 - 120	
Chlorobromomethane	20.0	20.4	102	77 - 127	
Chlorodibromomethane	20.0	18.0	90	73 - 120	
Chloroethane	20.0	17.0	85	52 - 150	
Chloroform	20.0	19.1	96	80 - 120	
Chloromethane	20.0	16.3	81	56 - 131	
cis-1,2-Dichloroethene	20.0	19.7	98	80 - 120	
cis-1,3-Dichloropropene	20.0	15.3	76	77 - 120	*
Cyclohexane	20.0	14.6	73	56 - 150	
Dichlorobromomethane	20.0	16.6	83	76 - 120	
Dichlorodifluoromethane	20.0	12.7	63	50 - 131	
Ethylbenzene	20.0	18.1	91	80 - 120	
Ethylene Dibromide	20.0	18.8	94	80 - 120	
Isopropylbenzene	20.0	18.4	92	80 - 123	
Methyl acetate	100	86.8	87	66 - 144	
Methyl tert-butyl ether	20.0	14.5	72	79 - 122	*
Methylcyclohexane	20.0	18.0	90	61 - 145	

Client: New York State D.E.C. Job Number: 460-131125-1

Lab Control Sample - Batch: 460-430581

Method: 8260C
Preparation: 5030C

Lab Sample ID:	LCS 460-430581/3	Analysis Batch:	460-430581	Instrument ID:	CVOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	F45855.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/15/2017 1140	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/15/2017 1140				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methylene Chloride	20.0	16.7	84	77 - 123	
m-Xylene & p-Xylene	20.0	18.4	92	80 - 120	
o-Xylene	20.0	18.4	92	80 - 120	
Styrene	20.0	18.8	94	80 - 120	
Tetrachloroethene	20.0	20.4	102	78 - 122	
Toluene	20.0	18.4	92	80 - 120	
trans-1,2-Dichloroethene	20.0	19.3	97	79 - 120	
trans-1,3-Dichloropropene	20.0	15.6	78	76 - 120	
Trichloroethene	20.0	19.4	97	77 - 120	
Trichlorofluoromethane	20.0	16.6	83	71 - 143	
Vinyl chloride	20.0	14.4	72	62 - 138	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	74 - 132
4-Bromofluorobenzene	100	77 - 124
Dibromofluoromethane (Surr)	104	72 - 131
Toluene-d8 (Surr)	94	80 - 120

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	96	74 - 132
4-Bromofluorobenzene	97	95	77 - 124
Dibromofluoromethane (Surr)	104	101	72 - 131
Toluene-d8 (Surr)	94	91	80 - 120

Method Blank - Batch: 460-429209 **Method: 8260C SIM**
Preparation: 5030C

Lab Sample ID:	MB 460-429209/7	Analysis Batch:	460-429209	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N04423.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/10/2017 0732	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/10/2017 0732				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
1,4-Dioxane	0.20	U	0.20	0.40

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	125	71 - 144
4-Bromofluorobenzene	106	72 - 133

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-429209 **Method: 8260C SIM**
Preparation: 5030C

LCS Lab Sample ID:	LCS 460-429209/3	Analysis Batch:	460-429209	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N04419.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/10/2017 0549	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/10/2017 0549				5 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 460-429209/4	Analysis Batch:	460-429209	Instrument ID:	CVOAMS11
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N04420.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/10/2017 0611	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/10/2017 0611				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,4-Dioxane	104	109	66 - 135	5	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	126	128	71 - 144
4-Bromofluorobenzene	110	108	72 - 133

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

04/18/2017

Client Information	Sampler: Brian Jankauskas	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-81112-50398.1
Client Contact: Mr. Brian Jankauskas	Phone: 518 402 9626	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: New York State D.E.C.				Job #:
Address: 625 Broadway 9th Floor	Due Date Requested:			
City: Albany	TAT Requested (days): Standard			
State, Zip: NY, 12233-7258				
Phone: 518-402-9626(Tel)	PO #: Site # 130107 Farmingdale Plaza Cleaners			
Email: brian.jankauskas@dec.ny.gov	WO #: Callout # 129539			
Project Name: DEC Farmingdale Plaza Cleaners #130107	Project #: 46009084			
Site: Farmingdale Plaza Cleaners	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

131125

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - Target Compound List for VOCs updated SO	8260C, 8260C_SIM	8260C_SIM - Volatile SIM - 1,4-Dioxane	Total Number of containers	Special Instructions/Note:
Preservation Code:							A	A	A		
MW-47C-42017	4/4/17	555	G	Water			3				1
TB-42017	4/4/17	—	G	Water			2				2
MW-28C-42017	4/4/17	620	G	Water			3		1		3
MW-28D-42017	4/4/17	630	G	Water			3		1		4
DUP 42017	4/4/17	—	G	Water			3				5
MW-45C-42017	4/4/17	650	G	Water			3				6
				Water							
				Water							

460-131125 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Cat A NYSDEC EPD

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 4/5/17 204	Company NYSDEC	Received by:	Date/Time: 4/5/17 1401	Company TA		
Relinquished by:	Date/Time: 4/5/17 1840	Company TA	Received by:	Date/Time: 4/5/17 1840	Company TA EDD		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks:

3.0 / 3.0 WOCD IR#8

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: _____

Number of Coolers: 1 IR Gun # 8

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.5 °C	3.8 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 4/5/17

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-131125-1

Login Number: 131125
List Number: 1
Creator: Aumack, Kyle J

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	IR #8 3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	