

Advanced Cleanup Technologies, Inc.

ENVIRONMENTAL CONSULTANTS



SITE STATUS REPORT

**Busy Bee Cleaners
1818 Merrick Road
Merrick, New York
NYSDEC Site No. V00376-1**

December 18, 2017

Current Groundwater Quality

A Groundwater monitoring event transpired on October 26, 2017. Groundwater samples were collected from two on-site monitoring wells (MW-1S and MW-1D) and three off-site monitoring wells (MW-2S, MW-2D and MW-3D). A diagram of existing monitoring well locations is attached as Figure 1.

Before sample collection, groundwater was purged from each monitoring well utilizing a low flow peristaltic pump, Horiba water quality meter with flow through cell, in-line water quality meter and dedicated neoprene and polyethylene tubing. Prior to purging, depth to water was determined using a conductivity meter.

Sampling was performed when indicator parameters including conductivity, temperature, pH, salinity and turbidity had stabilized according to USEPA Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures (Puls and Barcelona, April 1996). Samples were submitted to York Analytical Laboratories, Inc. (NYSDOH #10854) for VOC analysis in accordance with EPA method 8260. A copy of the laboratory analytical report is attached.

A diagram of groundwater quality on October 26, 2017 is attached as Figure 2. It can be seen from Figure 2 that in addition to the two onsite monitoring wells (MW-1S and MW-1D), only one offsite monitoring well (MW-2D) contained chlorinated volatile organic compounds (CVOCs) above water quality standards (NYSDEC TOGS 1.1.1, June 1998). The one shallow offsite monitoring well (MW-2S) and deep downgradient monitoring well (MW-3D) contained trace concentrations of CVOCs either below the laboratory's method detection limits or below water quality standards.

Current and historical laboratory analytical results are summarized in Table 1. It can be seen from Table 1 that between December 14, 2016 and October 26, 2017, concentrations of Tetrachloroethene, Trichloroethene and cis 1,2-Dichloroethene increased significantly in shallow onsite groundwater (MW-1S) but remained the same or declined in deep onsite groundwater (MW-1D). Sharp increases and declines in shallow and deep onsite groundwater quality have been observed in the past and may be associated with seasonal fluctuations in precipitation.

It can also be seen from Table 1 that concentrations of CVOCs in shallow groundwater quality near the site (MW-2S) have remained below water quality standards. Deep groundwater quality near the site (MW-2D) has shown a steady improvement in water quality, with Tetrachloroethene decreasing from 87 ug/L in 2009 to not detected in 2017, Trichloroethene decreasing from 620 ug/L in 2009 to 2.6 ug/L in 2017 and cis 1,2-Dichloroethene decreasing from 2,500 ug/L in 2009 to 360 ug/L in 2017. Finally, far downgradient water quality (MW-3D) has also shown a steady improvement from 9.5 ug/L of cis 1,2-Dichloroethene in 2009 to 0.60 ug/L in 2017.

Remedial System Operation and Maintenance

On November 1, 2017, air sparge well AS-3D was installed in the vicinity of MW-1S and MW-1D in the southwest corner of the site. The air sparge well consists of 1-inch diameter by 2 foot long 20 mil slotted PVC well screen followed by riser pipe to the ground surface. The annulus was backfilled and compacted with hydrated bentonite pellets and native soil to grade. The base of the well was installed approximately 41 feet below ground surface where a silty clay layer was encountered. A similar aquitard was observed during installation of AS-1D and AS-2D was reportedly encountered during installation of MW-1D.

On December 6, 2017 air sparge well AS-3S was installed to a depth of 16 feet below ground surface adjacent to AS-3D. The new air sparge wells were plumbed into the existing air compressor manifold and put into operation the same day. Figure 3 contained an as-built layout of the newly upgraded remedial system. The effectiveness of the new air sparge wells towards improved groundwater quality will be evaluated during the next groundwater sampling event.

A summary of treatment system influent and effluent analytical results is provided in Table 2. It can be seen from Table 2 that concentrations of Tetrachloroethene in the remedial system influent decreased from a high of 14,000 ug/m³ in July 2016 to 110 ug/m³ in June 2017, while concentrations of Tetrachloroethene in the effluent remained near or below detection limits. PID readings at the carbon influent have been continuously logged since start up of the new air sparge wells, although no elevated PID readings have been recorded.

Recommendations

ACT proposes the continued operation of the newly upgraded remedial system and performance of follow up groundwater sampling to determine the effectiveness of the SVE/AS system. The next groundwater sampling event will be scheduled for June 2018.

MERRICK ROAD

BUSY BEE CLEANERS

MW-1S

MW-1D

SITE

MW-2D

MW-2S

ALICE STREET

BEACH DRIVE

BERNARD STREET

MW-3D

ROSEBUD AVE



LEGEND



MW-1S

Shallow Monitoring Well



MW-1D

Deep Monitoring Well

MONITORING WELL LOCATIONS



110 Main Street, Suite 103, Port Washington, New York 11050
Tel: 516-441-5800 Fax: 516-441-5511

Project No: 7045-LBNY

Figure No: 1

Date: 05/13/16

Scale: Not To Scale

MERRICK ROAD

BUSY BEE CLEANERS

MW-1D

MW-1S

PCE 5300
TCE 1400
DCE 820

PCE 1600
TCE 5100
DCE 1100

ALICE STREET

MW-2D

MW-2S

PCE 0.46
TCE ND
DCE 1.2

PCE ND
TCE 2.5
DCE 360

BEACH DRIVE

BERNARD STREET

MW-3D

PCE ND
TCE ND
DCE 0.60

ROSEBUD AVE

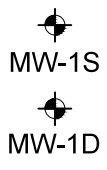


LEGEND

PCE 5300
TCE 1400
DCE 820

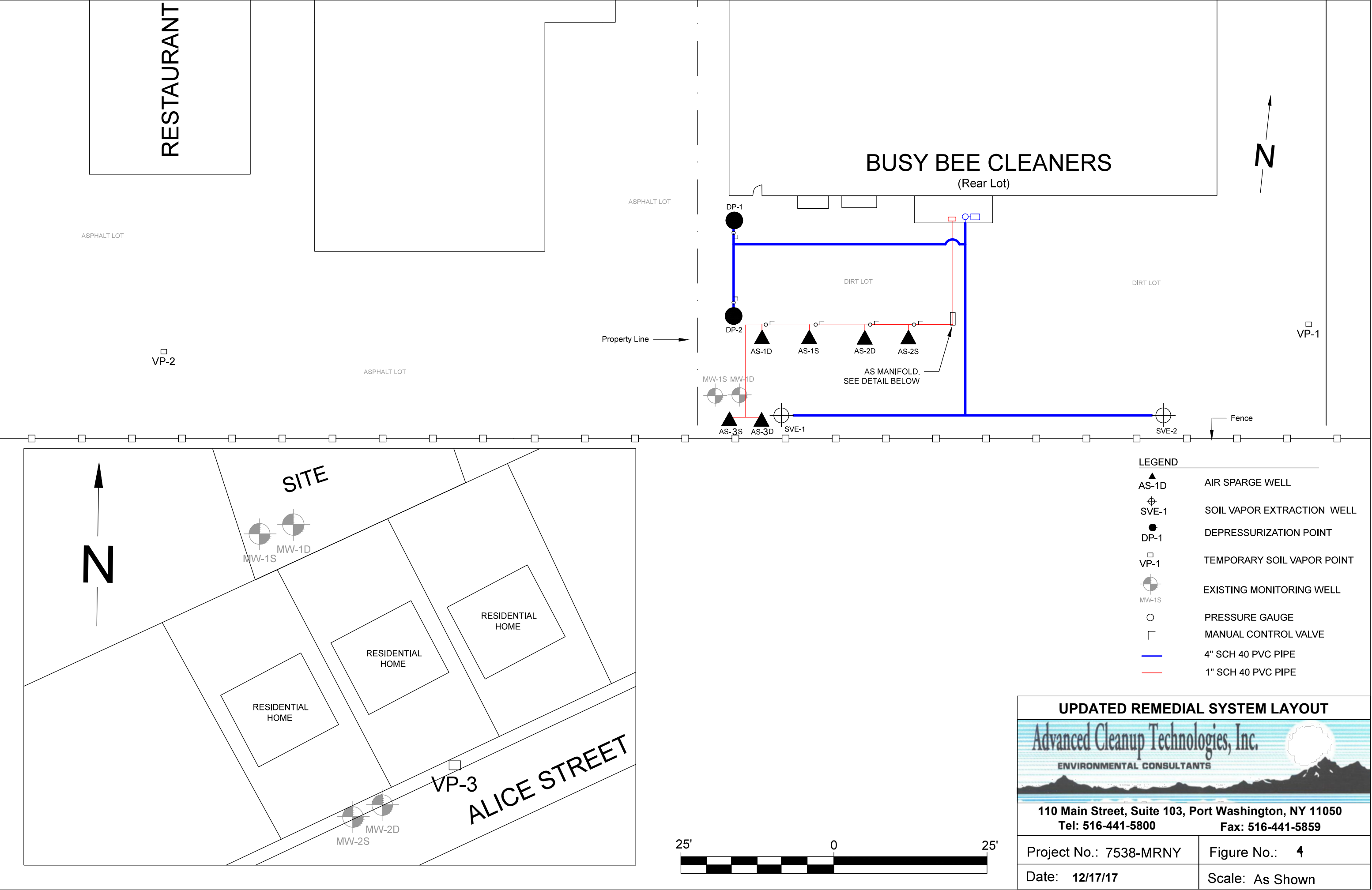
Tetrachloroethene (ug/L)
Trichloroethene (ug/L)
1,2 cis-Dichloroethene (ug/L)
Not Detected above
Method Detection Limit

ND



Shallow Monitoring Well
Deep Monitoring Well

Groundwater Quality - 10/26/17	
110 Main Street, Suite 103, Port Washington, New York 11050	
Tel: 516-441-5800	Fax: 516-441-5511
Project No:	Figure No: 2
Date: 12/18/17	Scale: Not To Scale



UPDATED REMEDIAL SYSTEM LAYOUT

Advanced Cleanup Technologies, Inc.

ENVIRONMENTAL CONSULTANTS

110 Main Street, Suite 103, Port Washington, NY 11050

Tel: 516-441-5800

Fax: 516-441-5859

Project No.: 7538-MRNY

Figure No.: 4

Date: 12/17/17

Scale: As Shown

Table 1

Volatile Organic Compounds in Groundwater (ug/l)

EPA Method 8260
1818 Merrick Road
Merrick, NY

Sample ID	Standard ¹	MW-1S									MW-1D								
Sample Date		12/15/09	6/17/14	4/24/15	9/23/15	12/18/15	6/9/16	10/3/16	12/14/16	10/26/17	12/15/09	6/17/14	4/24/15	9/23/15	12/18/15	6/9/16	10/3/16	12/14/16	10/26/17
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	0.7	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	5.2	ND	6.0	6.6	9.6	9.3	5.6	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	1.8	320	12	ND	1.1	1.2	ND	86	ND	ND	400	ND	ND	ND	ND	ND	79
cis-1,2-Dichloroethene	5	3,300	41	790	720	160	5,100	2.9	1.3	820	5,800	110	850	880	740	2,000	1,900	1,200	1,100
Tetrachloroethene	5	9,800	66	6,100	1,400	52	880	12	6.2	5,300	16,000	150	ND	1,100	490	2,000	2,200	1,600	1,600
trans-1,2-Dichloroethene	5	ND	0.31	ND	8.4	2.7	100	ND	ND	ND	ND	41	ND	47	62	110	80	110	ND
Trichloroethene	5	1,200	50	780	720	40	2,700	4.0	2.6	1,400	2,700	560	3,800	6,400	3,300	10,000	7,400	6,600	5,100
Vinyl chloride	2	ND	ND	ND	5.3	1.3	2.3	ND	ND	ND	ND	ND	ND	ND	1.4	1.9	2.0	0.55	ND

¹ NYS DEC TOGS 1.1.1, June, 1998

Bolded values signify detection above method detection limit

Highlighted values signify exceedance of regulatory standard

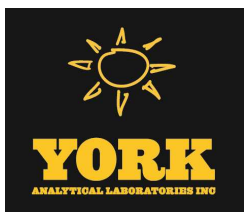
ND = Not Detected above laboratory's Method Detection Limit

Table 2

**Treatment System Analytical Results (ug/m3)
EPA Method TO-15
1818 Merrick Road
Merrick, NY**

Influent															
Date Analyte	4/23/15	8/14/15	9/17/15	10/23/15	11/20/15	12/18/15	2/25/16	3/31/16	4/26/16	5/27/16	7/6/16	9/9/16	10/3/16	12/16/16	6/12/17
PCE	1400	1500	220	3200	780	610	210	260	380	300	14,000	3,800	1,100	900	110
TCE	250	220	1000	92	82	52	66	48	85	42	4,700	310	180	79	25
cis-1,2 DCE	160	74	78	34	35	32	50	34	100	26	3,900	180	110	36	18

Effluent														
Date Analyte	4/23/15	9/17/15	10/23/15	11/20/15	12/18/15	2/25/16	3/31/16	4/26/16	5/27/16	7/6/16	9/9/16	10/3/16	12/16/16	6/12/17
PCE	5.8	11	2100	3.7	2.1	1.0	0.95	ND	1.7	96	28	17	33	9.7
TCE	ND	ND	ND	ND	ND	0.9	ND	ND	ND	30	ND	ND	ND	ND
cis-1,2 DCE	ND	ND	ND	2.7	3.9	2.2	3.5	ND	10	46	150	120	ND	ND



Technical Report

prepared for:

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Paul Stewart

Report Date: 11/07/2017
Client Project ID: 7538-MRNY
York Project (SDG) No.: 17K0013

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 11/07/2017
Client Project ID: 7538-MRNY
York Project (SDG) No.: 17K0013

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Paul Stewart

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on November 01, 2017 and listed below. The project was identified as your project: **7538-MRNY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
17K0013-01	MW-1s	Water	10/26/2017	11/01/2017
17K0013-02	MW-1d	Water	10/26/2017	11/01/2017
17K0013-03	MW-2s	Water	10/26/2017	11/01/2017
17K0013-04	MW-2d	Water	10/26/2017	11/01/2017
17K0013-05	MW-3d	Water	10/26/2017	11/01/2017

General Notes for York Project (SDG) No.: 17K0013

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 11/07/2017





Sample Information

Client Sample ID: MW-1s

York Sample ID: 17K0013-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17K0013

7538-MRNY

Water

October 26, 2017 6:00 pm

11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-CT	11/06/2017 07:30	11/06/2017 22:12	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-CT	11/06/2017 07:30	11/06/2017 22:12	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-CT	11/06/2017 07:30	11/06/2017 22:12	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
123-91-1	1,4-Dioxane	ND		ug/L	2000	4000	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-CT	11/06/2017 07:30	11/06/2017 22:12	SR



Sample Information

Client Sample ID: MW-1s

York Sample ID: 17K0013-01

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 6:00 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
591-78-6	2-Hexanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
67-64-1	Acetone	86	J	ug/L	50	100	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
107-02-8	Acrolein	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
107-13-1	Acrylonitrile	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
71-43-2	Benzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
74-97-5	Bromochloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:12	SR
75-27-4	Bromodichloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
75-25-2	Bromoform	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
74-83-9	Bromomethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
75-15-0	Carbon disulfide	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
56-23-5	Carbon tetrachloride	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
108-90-7	Chlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
75-00-3	Chloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
67-66-3	Chloroform	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
74-87-3	Chloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
156-59-2	cis-1,2-Dichloroethylene	820		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
110-82-7	Cyclohexane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:12	SR
124-48-1	Dibromochloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
74-95-3	Dibromomethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:12	SR



Sample Information

Client Sample ID: MW-1s

York Sample ID: 17K0013-01

York Project (SDG) No.

17K0013

Client Project ID

7538-MRNY

Matrix

Water

Collection Date/Time

October 26, 2017 6:00 pm

Date Received

11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:12	SR
100-41-4	Ethyl Benzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:12	SR
98-82-8	Isopropylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
79-20-9	Methyl acetate	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:12	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
108-87-2	Methylcyclohexane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:12	SR
75-09-2	Methylene chloride	ND		ug/L	50	100	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
104-51-8	n-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
103-65-1	n-Propylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
95-47-6	o-Xylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/06/2017 22:12	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	25	50	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/06/2017 22:12	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
135-98-8	sec-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
100-42-5	Styrene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	25	50	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:12	SR
98-06-6	tert-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
127-18-4	Tetrachloroethylene	5300		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
108-88-3	Toluene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
79-01-6	Trichloroethylene	1400		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR



Sample Information

Client Sample ID: MW-1s

York Sample ID: 17K0013-01

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 6:00 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
75-01-4	Vinyl Chloride	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
1330-20-7	Xylenes, Total	ND		ug/L	30	75	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:12	SR
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.8 %			69-130						
2037-26-5	Surrogate: Toluene-d8	99.4 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	110 %			79-122						

Sample Information

Client Sample ID: MW-1d

York Sample ID: 17K0013-02

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 4:45 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
71-55-6	1,1,1-Trichloroethane	26		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR



Sample Information

Client Sample ID: MW-1d

York Sample ID: 17K0013-02

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 4:45 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
123-91-1	1,4-Dioxane	ND		ug/L	2000	4000	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
78-93-3	2-Butanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
591-78-6	2-Hexanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
67-64-1	Acetone	79	J	ug/L	50	100	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
107-02-8	Acrolein	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
107-13-1	Acrylonitrile	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
71-43-2	Benzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
74-97-5	Bromochloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
75-27-4	Bromodichloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
75-25-2	Bromoform	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
74-83-9	Bromomethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR



Sample Information

Client Sample ID: MW-1d

York Sample ID: 17K0013-02

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 4:45 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
56-23-5	Carbon tetrachloride	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
108-90-7	Chlorobenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
75-00-3	Chloroethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
67-66-3	Chloroform	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
74-87-3	Chloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
156-59-2	cis-1,2-Dichloroethylene	1100		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
110-82-7	Cyclohexane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
124-48-1	Dibromochloromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
74-95-3	Dibromomethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
100-41-4	Ethyl Benzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
98-82-8	Isopropylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
79-20-9	Methyl acetate	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
108-87-2	Methylcyclohexane	ND		ug/L	10	25	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
75-09-2	Methylene chloride	ND		ug/L	50	100	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
104-51-8	n-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
103-65-1	n-Propylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR



Sample Information

Client Sample ID: MW-1d

York Sample ID: 17K0013-02

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 4:45 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/06/2017 22:39	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	25	50	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/06/2017 22:39	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
135-98-8	sec-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
100-42-5	Styrene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	25	50	50	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 22:39	SR
98-06-6	tert-Butylbenzene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
127-18-4	Tetrachloroethylene	1600		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
108-88-3	Toluene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
79-01-6	Trichloroethylene	5100		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
75-01-4	Vinyl Chloride	ND		ug/L	10	25	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
1330-20-7	Xylenes, Total	ND		ug/L	30	75	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 22:39	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.3 %	69-130								
2037-26-5	Surrogate: Toluene-d8	100 %	81-117								
460-00-											

Sample Information

Client Sample ID: MW-2s

York Sample ID: 17K0013-03

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 2:20 pm

Date Received
11/01/2017



Sample Information

Client Sample ID: MW-2s

York Sample ID: 17K0013-03

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 2:20 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
108-67-8	1,3,5-Trimethylbenzene	1.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR



Sample Information

Client Sample ID: MW-2s

York Sample ID: 17K0013-03

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 2:20 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
156-59-2	cis-1,2-Dichloroethylene	1.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR



Sample Information

Client Sample ID: MW-2s

York Sample ID: 17K0013-03

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 2:20 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/06/2017 23:06	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/06/2017 23:06	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:06	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
127-18-4	Tetrachloroethylene	0.46	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR



Sample Information

Client Sample ID: MW-2s

York Sample ID: 17K0013-03

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 2:20 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:06	SR
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.6 %		69-130							
2037-26-5	Surrogate: Toluene-d8	100 %		81-117							
460-00-4	Surrogate: p-Bromofluorobenzene	108 %		79-122							

Sample Information

Client Sample ID: MW-2d

York Sample ID: 17K0013-04

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 12:00 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
71-55-6	1,1,1-Trichloroethane	8.1		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
75-34-3	1,1-Dichloroethane	5.2		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR



Sample Information

Client Sample ID: MW-2d

York Sample ID: 17K0013-04

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 12:00 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
67-64-1	Acetone	8.0	J	ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR



Sample Information

Client Sample ID: MW-2d

York Sample ID: 17K0013-04

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 12:00 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
156-59-2	cis-1,2-Dichloroethylene	360		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
110-82-7	Cyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
108-87-2	Methylcyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/06/2017 23:34	SR
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR



Sample Information

Client Sample ID: MW-2d

York Sample ID: 17K0013-04

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 12:00 pm

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/06/2017 23:34	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/06/2017 23:34	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854	11/06/2017 07:30	11/06/2017 23:34	SR
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
127-18-4	Tetrachloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
79-01-6	Trichloroethylene	2.5		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/06/2017 23:34	SR
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.6 %	69-130								
2037-26-5	Surrogate: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	110 %	79-122								

Sample Information

Client Sample ID: MW-3d

York Sample ID: 17K0013-05

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 10:55 am

Date Received
11/01/2017



Sample Information

Client Sample ID: MW-3d

York Sample ID: 17K0013-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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17K0013

7538-MRNY

Water

October 26, 2017 10:55 am

11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR



Sample Information

Client Sample ID: MW-3d

York Sample ID: 17K0013-05

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 10:55 am

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
67-64-1	Acetone	1.3	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
156-59-2	cis-1,2-Dichloroethylene	0.60		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR



Sample Information

Client Sample ID: MW-3d

York Sample ID: 17K0013-05

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 10:55 am

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/07/2017 00:01	SR
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NELAC-NY10854	11/06/2017 07:30	11/07/2017 00:01	SR
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854-CT,NJDEP,NELAC-NY10854-	11/06/2017 07:30	11/07/2017 00:01	SR
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N	11/06/2017 07:30	11/07/2017 00:01	SR



Sample Information

Client Sample ID: MW-3d

York Sample ID: 17K0013-05

York Project (SDG) No.
17K0013

Client Project ID
7538-MRNY

Matrix
Water

Collection Date/Time
October 26, 2017 10:55 am

Date Received
11/01/2017

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	11/06/2017 07:30	11/07/2017 00:01	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	11/06/2017 07:30	11/07/2017 00:01	SR
								Certifications:	CTDOH,NELAC-NY10854-CT,NJDEP,NELAC-N		
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.1 %			69-130						
2037-26-5	Surrogate: Toluene-d8	99.6 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	106 %			79-122						



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17K0013-01	MW-1s	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0013-02	MW-1d	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0013-03	MW-2s	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0013-04	MW-2d	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17K0013-05	MW-3d	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

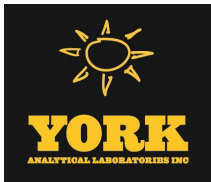
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

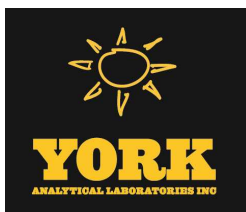
Certification for pH is no longer offered by NYDOH ELAP.



Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.





Technical Report

prepared for:

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Mark Gelband

Report Date: 06/19/2017
Client Project ID: 7538-MRNY
York Project (SDG) No.: 17F0465

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/19/2017
Client Project ID: 7538-MRNY
York Project (SDG) No.: 17F0465

Advanced Cleanup Technologies, Inc.
110 Main Street
Port Washington NY, 11050
Attention: Mark Gelband

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 13, 2017 and listed below. The project was identified as your project: **7538-MRNY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
17F0465-01	7538-Inf	Vapor Extraction	06/12/2017	06/13/2017
17F0465-02	7538-Eff	Vapor Extraction	06/12/2017	06/13/2017

General Notes for York Project (SDG) No.: 17F0465

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/19/2017





Sample Information

Client Sample ID: 7538-Inf

York Sample ID: 17F0465-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

17F0465

7538-MRNY

Vapor Extraction

June 12, 2017 3:00 pm

06/13/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	13	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	10	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	13	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	10	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.6	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.4	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	14	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	9.2	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.6	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.7	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	13	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	9.2	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	12	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.7	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	14	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS



Sample Information

Client Sample ID: 7538-Inf

York Sample ID: 17F0465-01

York Project (SDG) No.
17F0465

Client Project ID
7538-MRNY

Matrix
Vapor Extraction

Collection Date/Time
June 12, 2017 3:00 pm

Date Received
06/13/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-93-3	2-Butanone	ND		ug/m ³	5.5	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	15	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	29	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.7	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
67-64-1	Acetone	10		ug/m ³	8.9	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	4.1	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
71-43-2	Benzene	ND		ug/m ³	6.0	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	9.7	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	13	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
75-25-2	Bromoform	ND		ug/m ³	19	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
74-83-9	Bromomethane	ND		ug/m ³	7.3	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	5.8	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.9	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	8.6	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
75-00-3	Chloroethane	ND		ug/m ³	4.9	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
67-66-3	Chloroform	ND		ug/m ³	9.2	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
74-87-3	Chloromethane	ND		ug/m ³	3.9	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
156-59-2	cis-1,2-Dichloroethylene	18		ug/m ³	7.4	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.5	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
110-82-7	Cyclohexane	ND		ug/m ³	6.5	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	16	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	9.3	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS



Sample Information

Client Sample ID: 7538-Inf

York Sample ID: 17F0465-01

York Project (SDG) No.
17F0465

Client Project ID
7538-MRNY

Matrix
Vapor Extraction

Collection Date/Time
June 12, 2017 3:00 pm

Date Received
06/13/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
141-78-6	* Ethyl acetate	ND		ug/m ³	14	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	8.1	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	20	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
67-63-0	Isopropanol	ND		ug/m ³	9.2	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.7	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.8	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
75-09-2	Methylene chloride	ND		ug/m ³	13	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
142-82-5	n-Heptane	ND		ug/m ³	7.7	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
110-54-3	n-Hexane	ND		ug/m ³	6.6	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
95-47-6	o-Xylene	ND		ug/m ³	8.1	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m ³	16	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	9.2	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
115-07-1	* Propylene	ND		ug/m ³	3.2	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
100-42-5	Styrene	ND		ug/m ³	8.0	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
127-18-4	Tetrachloroethylene	110		ug/m ³	3.2	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	11	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
108-88-3	Toluene	ND		ug/m ³	7.1	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.4	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.5	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
79-01-6	Trichloroethylene	25		ug/m ³	2.5	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	11	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	6.6	18.74	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 00:25	LDS



Sample Information

Client Sample ID: 7538-Inf

York Sample ID: 17F0465-01

York Project (SDG) No.
17F0465

Client Project ID
7538-MRNY

Matrix
Vapor Extraction

Collection Date/Time
June 12, 2017 3:00 pm

Date Received
06/13/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
593-60-2	Vinyl bromide	ND		ug/m ³	8.2	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	4.8	18.74	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 00:25	LDS
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	94.9 %		72-118						

Sample Information

Client Sample ID: 7538-Eff

York Sample ID: 17F0465-02

York Project (SDG) No.
17F0465

Client Project ID
7538-MRNY

Matrix
Vapor Extraction

Collection Date/Time
June 12, 2017 3:00 pm

Date Received
06/13/2017

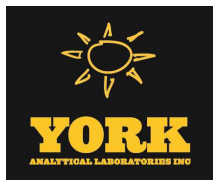
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	12	17.81	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 01:27	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	14	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	7.2	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	7.1	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	13	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
95-63-6	1,2,4-Trimethylbenzene	24		ug/m ³	8.8	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	14	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	11	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	7.2	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS



Sample Information

Client Sample ID: 7538-Eff

York Sample ID: 17F0465-02

York Project (SDG) No.
17F0465

Client Project ID
7538-MRNY

Matrix
Vapor Extraction

Collection Date/Time
June 12, 2017 3:00 pm

Date Received
06/13/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/m ³	8.2	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.8	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	12	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	11	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	8.2	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	11	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	13	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
78-93-3	2-Butanone	56		ug/m ³	5.3	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	15	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	28	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	7.3	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
67-64-1	Acetone	120		ug/m ³	8.5	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	3.9	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
71-43-2	Benzene	34		ug/m ³	5.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	9.2	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	12	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-25-2	Bromoform	ND		ug/m ³	18	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
74-83-9	Bromomethane	ND		ug/m ³	6.9	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	5.5	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.8	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	8.2	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS



Sample Information

Client Sample ID: 7538-Eff

York Sample ID: 17F0465-02

York Project (SDG) No.
17F0465

Client Project ID
7538-MRNY

Matrix
Vapor Extraction

Collection Date/Time
June 12, 2017 3:00 pm

Date Received
06/13/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/m ³	4.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
67-66-3	Chloroform	ND		ug/m ³	8.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
74-87-3	Chloromethane	ND		ug/m ³	3.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	7.1	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	8.1	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
110-82-7	Cyclohexane	12		ug/m ³	6.1	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	15	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	8.8	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	13	17.81	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 01:27	LDS
100-41-4	Ethyl Benzene	19		ug/m ³	7.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	19	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
67-63-0	Isopropanol	ND		ug/m ³	8.8	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	7.3	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.4	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-09-2	Methylene chloride	ND		ug/m ³	12	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
142-82-5	n-Heptane	23		ug/m ³	7.3	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
110-54-3	n-Hexane	63		ug/m ³	6.3	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
95-47-6	o-Xylene	21		ug/m ³	7.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
179601-23-1	p- & m- Xylenes	79		ug/m ³	15	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
622-96-8	* p-Ethyltoluene	24		ug/m ³	8.8	17.81	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 01:27	LDS
115-07-1	* Propylene	7.0		ug/m ³	3.1	17.81	EPA TO-15 Certifications:	06/14/2017 17:00	06/15/2017 01:27	LDS
100-42-5	Styrene	ND		ug/m ³	7.6	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS



Sample Information

Client Sample ID: 7538-Eff

York Sample ID: 17F0465-02

York Project (SDG) No.
17F0465

Client Project ID
7538-MRNY

Matrix
Vapor Extraction

Collection Date/Time
June 12, 2017 3:00 pm

Date Received
06/13/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	9.7		ug/m ³	3.0	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
109-99-9	* Tetrahydrofuran	59		ug/m ³	11	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
108-88-3	Toluene	120		ug/m ³	6.7	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	7.1	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	8.1	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	2.4	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	10	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	6.3	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	7.8	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	4.6	17.81	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	06/14/2017 17:00	06/15/2017 01:27	LDS
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	94.1 %	72-118							



Notes and Definitions

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

