



ENVIRONMENTAL SERVICES

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Groundwater Monitoring Report

Former Provan Ford Site

146-172 Mill Street

Newburgh, New York 12550

NYSDEC Site Number: B00127-3

Prepared for:

City of Newburgh

83 Broadway

Newburgh, New York 12550

Prepared by:

EcoTec LLC Environmental Services

3 Nancy Court, Suite 4

Wappingers Falls, New York 12590

Report Date:

May 17, 2018

Introduction:

This Groundwater Monitoring Report (GMR) was prepared by EcoTec LLC Environmental Services (ETES) on the behalf of the City of Newburgh (City) to summarize the groundwater sampling activities conducted on the offsite groundwater monitoring wells associated with the former Provan Ford Site, NYSDEC Site B000127-3 in accordance with the requirements of the June 2016 Site Management Plan (SMP) approved by the New York State Department of Environmental Conservation (NYSDEC).

Site History:

The City of Newburgh entered into a SAC with the NYSDEC in September 2007 to investigate and remediate the Site. The City's contractor First Environment lead all remedial activities with NYSDEC Approved Work Plans. Based on the findings of historical on-site groundwater sampling activities, dissolved-phase chlorinated volatile organic compounds (CVOCs) were identified and have migrated off site to the southeast within the overburden and intermediate aquifer.

Several groundwater sampling events occurred from 2010 through investigative phase and until final remedial activities were completed in late 2015. The historical groundwater data was obtained from the Final Engineering Report (FER) Dated June 2016 prepared by First Environment.

Dissolved-phase PCE and TCE were detected at concentrations above their respective standards in several off-site monitoring wells. Furthermore, petroleum-based constituents, such as benzene, ethylbenzene, total xylenes (BTEX) and MTBE, were detected at concentrations above their respective standards in the on-site monitoring wells only.

According to the FER, local groundwater in the overburden flows to southeast of the site at an average velocity of 8.9×10^{-4} ft/ day.

Groundwater Monitoring Well Gauging & Sampling Activities:

In accordance with the Quality Assurance Project Plan (QAPP) within the SMP, ETES performed groundwater gauging and sampling on the off-site groundwater monitoring wells. The groundwater monitoring wells were gauged for static water level within the well casing prior to sampling activities. A summary of the groundwater elevations and gauging data are included in Table 1. Depth to groundwater measurements were collected May 7 and 8, 2018 using a Solinst Interface Probe graduated in 0.01 foot intervals. Depth to groundwater measurements were taken from the northernmost top of monitoring well casings.

Table 1. On-site Monitoring Well Groundwater Elevation Data

MW - ID	Inner Casing Elevation*	Depth to Water	Product Thickness	Groundwater Elevation
MW-13	121.97'	6.21'	0.0'	115.76'
MW-13I	121.91'	9.62'	0.0'	112.29'
MW-15	117.16'	12.05'	0.0'	105.11'
MW-16	117.22'	16.50'	0.0'	100.72'
MW-18	117.22'	14.72'	0.0'	102.50'
MW-19**	91.74'	12.21'	0.0'	79.53'

*Measurements obtained from FER – First Environment June 2016.

**MW 19 was damaged. Measurement taken from existing casing elevation which may differ from initial installation.

Each well was purged three (3) to five (5) casing volumes utilizing dedicated Teflon Bailers. The wells were purged at a low rate to reduce drawdown and avoid pumping the well to dryness. Groundwater field parameters including dissolved oxygen, pH, conductivity were monitored during purging activities. All field analytical equipment was calibrated per Manufacturer’s specifications prior to each day’s use. The groundwater field parameter measurements were documented in Attachment A “Low Flow Purging/Sampling Log”.

Groundwater samples were obtained via a clean dedicated Teflon Bailer. Samples were placed into three (3) 40ml glass vials preserved with HCl provided by the analytical laboratory. The samples were marked for identification utilizing the Groundwater Monitoring Well Identification Number. The samples were placed on ice and transported under chain of custody to York Analytical Laboratories (NYSDOH & NELAP Certified), located in Stratford, CT the following day. The samples were analyzed within the prescribed holding times for Volatile Organic Compounds (VOCs) utilizing United States Environmental Protection Agency (USEPA) Method 8260.

Please note that during the monitoring well sampling activities MW-19 was noted to be damaged. The protective curb box around the casing was destroyed. The PVC well casing was not damaged but the protective plug cap was destroyed. Sediment was present at the top of the well casing and had plugged the opening. It should be noted that casing was raised above ground surface so groundwater infiltration into the well was probably minimal. The well was purged a total of 6 volumes to minimize any surface was infiltration interference.

Results:

Laboratory analysis of the groundwater sampling from MW-13 resulted in the detection of a total of seven (7) compounds. Three (3) of the compounds exceed their respective Standards, Criteria, and Guidance Values (SCGs) for groundwater – Ambient Water Quality Standards and

Guidance Values (TOGs 1.1.1), 6 NYCRR Part 703, Surface water and Groundwater Quality Standards, and Part 5 of the New York State Sanitary Code (10 NYCRR Part 5).

Laboratory analysis of the groundwater sampling from MW-13I resulted in the detection of a total of five (5) compounds. One (1) of the compounds exceed their respective Standards, Criteria, and Guidance Values (SCGs) for groundwater – Ambient Water Quality Standards and Guidance Values (TOGs 1.1.1), 6 NYCRR Part 703, Surface water and Groundwater Quality Standards, and Part 5 of the New York State Sanitary Code (10 NYCRR Part 5).

Laboratory analysis of the groundwater sampling from MW-15 resulted in the detection of a total of six (6) compounds. Five (5) of the compounds exceed their respective Standards, Criteria, and Guidance Values (SCGs) for groundwater – Ambient Water Quality Standards and Guidance Values (TOGs 1.1.1), 6 NYCRR Part 703, Surface water and Groundwater Quality Standards, and Part 5 of the New York State Sanitary Code (10 NYCRR Part 5).

Laboratory analysis of the groundwater sampling from MW-16 resulted in the detection of a total of five (5) compounds. One (1) of the compounds exceed their respective Standards, Criteria, and Guidance Values (SCGs) for groundwater – Ambient Water Quality Standards and Guidance Values (TOGs 1.1.1), 6 NYCRR Part 703, Surface water and Groundwater Quality Standards, and Part 5 of the New York State Sanitary Code (10 NYCRR Part 5).

Laboratory analysis of the groundwater sampling from MW-19 resulted non-detect above the minimum detection limit for all parameters.

Data for the compounds detected is summarized in Table 2 below.

The data was compared to historical data collected by First Environment and is summarized in Table 3 below.

The results of the sampling indicate that the primary constituents of concern (BTEX, CVOCs) continue to show a decrease in concentrations detected over time. MW-19 continues result in non-detect of all parameters.

It is recommended that if NYSDEC requires continued monitoring of MW-19 it be repaired (new protective curb box).

All purged groundwater was containerized in 55 gallons drums and will be characterized (if necessary) and properly disposed of at a licensed facility. Waste manifests will be forwarded to the NYSDEC upon completion of the waste disposal.

Table 2 Laboratory Groundwater Analytical Results

COMPOUND LIST 8260 Full	SCG*	MW-13	MW-13I	BLIND-2	MW-15	MW-16	MW-18	BLIND-3	MW-19
		5/7/18	5/7/18	5/7/18	5/7/18	5/7/18	5/8/18	5/8/18	5/8/18
1,1,1,2- Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1- Trichloroethane	5	10	0.56	0.62	14	7.8	1.7	2.2	ND
1,1,2,2- Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-1,2,2-trifluroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2,- Trichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,1,-Dichloroethane	5	1.2 J	ND	ND	2.7 J	1.4	0.5 J	0.57	ND
1,1-Dichloroethylene	0.7	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3- Trichchloropropane	0.04	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	10	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobezene	5	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobezene	4.7	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NL	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	50	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	50	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	50	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	5	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	0.7	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	50	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND

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Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	0.3 J	ND
Chloromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	5	220	18	19	390	200	36	43	ND
cis-1,3-Dichloropropylene	5	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	50	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	0.5	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	50	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	10	ND	0.27 J	0.27 J	ND	ND	ND	ND	ND
Methylcyclohexane	50	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	5	ND	ND	ND	ND	ND	ND	ND	ND
p-&m- Xylenes	NL	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	5	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	5	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butyl alcohol	NL	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	3	ND	ND	9.1	2.2 J	ND	ND	ND
Toluene	5	2.6	ND	ND	5.1 J,B	2.4 J,B	0.94 JB	0.37 J	ND
trans-1,2-Dichloroethylene	5	4	ND	ND	ND	2.2 J	ND	ND	ND
trans-1,3-Dichloropropylene	5	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,4-dichloro-2-butene	5	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	18	0.64	0.64	55	19	3.9	4.8	ND
Trichlorofluoromethane	5	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	ND	0.48 J	0.51	ND	ND	ND	ND	ND
Xylenes, Total	5	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

All values are reported in micrograms per liter (µg/L or ppb)

SCG*: Standards, Criteria, and Guidance Values (SCGs) for groundwater – Ambient Water Quality Standards and Guidance Values (TOGs 1.1.1), 6 NYCRR Part 703, Surface water and Groundwater Quality Standards, and Part 5 to the New York State Sanitary Code (10 NYCRR Part 5)

BOLD values indicate exceedance of applicable NYSDEC guidance values

ND: Not Detected Above Applicable Laboratory Detection Limits

J - Laboratory Qualifier (Result is less than the reporting limit, but greater than the method detection limit and the concentration is an approximate value)

B - Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants

BLIND2: Field Duplicate Sample of MW-13I

BLIND3: Field Duplicate Sample of MW-18

Table 3 Historical Groundwater Analytical Results with Current Results

MW-13					
Year	TCE	cis-1,2-DCE	VC	CVOC	BTEX
2/23/10	95	790	20	1301	1
9/20/11	21	250	1.3	291	ND
8/12/13	32.4	500	6.1	579	ND
10/31/13	83.4	1200	7	1371	ND
3/25/14	75	1100	1.4	1257	ND
9/4/14	45.5	630	7.2	699	ND
8/12/15	65.9	940	6.8	1072	ND
5/7/18	18	220	ND	256.2	2.6

MW-13i – No Historical Data Available.

MW-15					
Year	TCE	cis-1,2-DCE	VC	CVOC	BTEX
2/23/10	11	140	ND	235	ND
9/21/11	75	350	0.95	461	ND
11/1/13	61.2	450	2.1	543	0.4
3/26/14	75	640	1.3	758	ND
9/4/14	48.2	300	0.46	374	ND
8/12/15	62	620	0.33	710	ND
5/7/18	55	390	ND	470.8	5.1

MW-16					
Year	TCE	cis-1,2-DCE	VC	CVOC	BTEX
9/21/11	11	48	ND	62	ND
8/12/13	42.1	200	ND	253	ND
10/31/13	33.9	190	ND	234	ND
3/26/14	13.9	83	ND	101	ND
9/4/14	25.6	180	ND	209	ND
8/12/15	58.5	520	ND	602	ND
5/7/18	19	200	ND	232.6	2.4

MW-18					
<u>Year</u>	<u>TCE</u>	<u>cis-1,2-DCE</u>	<u>VC</u>	<u>CVOC</u>	<u>BTEX</u>
9/20/11	7.4	21	ND	28	ND
8/13/13	5.6	17.2	ND	23	ND
3/26/14	4.9	12.8	ND	18	ND
8/12/15	6.5	41	5.4	50	ND
5/8/18	3.9	36	ND	42.1	0.37

MW-19					
<u>Year</u>	<u>TCE</u>	<u>cis-1,2-DCE</u>	<u>VC</u>	<u>CVOC</u>	<u>BTEX</u>
9/20/11	ND	ND	ND	ND	ND
8/12/15	ND	ND	ND	ND	ND
5/8/18	ND	ND	ND	ND	ND

ATTACHMENTS:

A: “Low Flow Purging/ Sampling Log”

B: Laboratory Analytical Data

LOW FLOW PURGING / SAMPLING LOG

Project Number: 13000127 Client Name: City / NEWBURGH
 Location: off site wells / provan Date: 5/7/18
 Field Team: EMAN STANKUNTS / WYATT SURDAN

Sampling Information Sample / Well Number: MW-13 Total Well Depth (ft) 12.12'
 Location: _____
Low Flow Purge Data (WELLS ONLY)
 Date / Time: _____ Pump Type: _____ Init. Water Level: _____
 Well Casing: Stick-up / Flush Mount Measuring Point (MP): _____ Tubing Depth (from MP): _____

Sampling Data: Date: 5/7/18 Time: 1000 Parameters: pH, SC, Temp Sample Id: MW-13
 Field Observations: No odor, no steel, moderate silt

Time	pH (+/-0.1)	SC (+/-3%)	Turb (+/-10%)	DO (+/-10%)	Temp (+/-3%)	ORP (+/- 10mV)	DTW (Δ<0.3ft)	Notes: CPM/PSI
1000	7.92	9.0 (9m)		12	54.9F		6.21'	
1017	7.68	10.0 (1m)		12	55.9F		6.25'	
1022	7.69	10.0 (6m)		13	55.3F		6.25'	
1027	7.67	9.9 (6m)		12	55.1F		6.29'	

Signature: 

LOW FLOW PURGING / SAMPLING LOG

Project Number: <u>6000127</u>	Client Name: <u>city / Newburgh</u>
Location: <u>offsite wells / Provan</u>	Date: <u>5/7/18</u>
Field Team: <u>EMAN SIMMONS / WENT JORDAN</u>	

Sampling Information	Sample / Well Number: <u>MW-131</u>	Total Well Depth (ft) <u>53.33'</u>
Location: _____		
Low Flow Purge Data (WELLS ONLY)		
Date / Time: _____	Pump Type: _____	Init. Water Level: _____
Well Casing: Stick-up / Flush Mount	Measuring Point (MP): _____	Tubing Depth (from MP): _____

Sampling Data: Date: <u>5/7/18</u>	Time: <u>1037</u>	Parameters: <u>pH, DO, Turb, SC, ORP</u>	Sample Id: <u>MW-131</u>
Field Observations: <u>No odor, no stream, clear</u>			

Time	pH (+/-0.1)	SC (+/-3%)	Turb (+/-10%)	DO (+/-10%)	Temp (+/-3%)	ORP (+/- 10mV)	DTW (Δ<0.3ft)	Notes: CPM/PSI
1037	7.57	10170S		67%	57.6F		9.62'	
1100	7.24	12580S		23%	59.5F		9.25'	
1122	7.36	11420S		17.	58.9F		9.55'	
1146	7.26	11390S		0%	59.0F		9.45'	
1207	7.22	11300S		17.	59.1F		9.45'	

Signature: 

LOW FLOW PURGING / SAMPLING LOG

Project Number: <u>8000127</u>	Client Name: <u>City / Newburgh</u>
Location: <u>Offsite Wells / Provan</u>	Date: <u>5/7/18</u>
Field Team: <u>Evan Spangler / Wyatt Jordan</u>	

Sampling Information	Sample / Well Number: <u>MW-15</u>	Total Well Depth (ft) <u>21.45'</u>
Location: _____		
Low Flow Purge Data (WELLS ONLY)		
Date / Time: _____	Pump Type: _____	Init. Water Level: _____
Well Casing: Stick-up / Flush Mount	Measuring Point (MP): _____	Tubing Depth (from MP): _____

Sampling Data: Date: <u>5/7/18</u>	Time: <u>1403</u>	Parameters: <u>ph, DO, SC, Temp</u>	Sample Id: <u>MW-15</u>
Field Observations: <u>No slight odor, slight sheen, silty (heavy)</u>			

Time	pH (+/-0.1)	SC (+/-3%)	Turb (+/-10%)	DO (+/-10%)	Temp (+/-3%)	ORP (+/- 10mV)	DTW (Δ<0.3ft)	Notes: CPM/PSI
1403	7.16	1052.5		47%	52.3F		12.05'	
1415	7.14	1103.5		17%	52.4F		12.25'	
1429	7.04	1107.5		26%	52.2F		12.75'	
1440	7.13	1109.5		29%	53.2F		12.65'	

Signature: 

LOW FLOW PURGING / SAMPLING LOG

Project Number: <u>B000127</u>	Client Name: <u>city/newburgh</u>
Location: <u>offsite wells / prasan</u>	Date: <u>5/7/18</u>
Field Team: <u>EVAN STANKWIS / WYATT JORDAN</u>	

Sampling Information	Sample / Well Number: <u>MW-16</u>	Total Well Depth (ft) <u>18.35'</u>
Location: _____		
Low Flow Purge Data (WELLS ONLY)		
Date / Time: _____	Pump Type: _____	Init. Water Level: _____
Well Casing: Stick-up / Flush Mount	Measuring Point (MP): _____	Tubing Depth (from MP): _____

Sampling Data: Date: <u>5/7/18</u>	Time: <u>1255</u>	Parameters: <u>pH, DO, Temp, ORP</u>	Sample Id: <u>MW-16</u>
Field Observations: <u>No odor no screen, silty</u>			

Time	pH (+/-0.1)	SC (+/-3%)	Turb (+/-10%)	DO (+/-10%)	Temp (+/-3%)	ORP (+/- 10mV)	DTW (Δ<0.3ft)	Notes: CPM/PSI
1255	7.20	919uS		81%	53.8 F		16.50'	
1308	7.00	891uS		98%	55.6 F		16.60'	
1316	7.03	888uS		97%	55.5 F		16.65'	
1326	7.04	918uS		100%	54.5 F		16.10'	

Signature: 

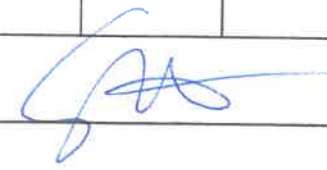
LOW FLOW PURGING / SAMPLING LOG

Project Number: <u>800027</u>	Client Name: <u>City / Newburgh</u>
Location: <u>offsite well / Dran</u>	Date: <u>5/8/18</u>
Field Team: <u>EVAN STANUKAS</u>	

Sampling Information	Sample / Well Number: <u>MW18</u>	Total Well Depth (ft) <u>19.65</u>
Location: _____		
Low Flow Purge Data (WELLS ONLY)		
Date / Time: _____	Pump Type: _____	Init. Water Level: _____
Well Casing: Stick-up / Flush Mount	Measuring Point (MP): _____	Tubing Depth (from MP): _____

Sampling Data: Date: <u>5/8/18</u>	Time: <u>0930</u>	Parameters: <u>Depth, Temp, SC</u>	Sample Id: <u>MW-18</u>
Field Observations: _____			

Time	pH (+/-0.1)	SC (+/-3%)	Turb (+/-10%)	DO (+/-10%)	Temp (+/-3%)	ORP (+/- 10mV)	DTW (Δ<0.3ft)	Notes: CPM/PSI
0938	7.25	722uS		71%	53.8F		14.72'	
0947	7.24	877uS		58%	53.6F		14.71'	
1000	7.16	900uS		56%	53.3F		14.78'	
1022	7.12	896uS		55%	53.0F		14.75'	
1029	7.10	889uS		54%	52.9F		14.73'	

Signature: 

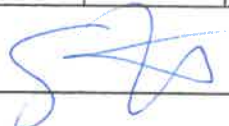
LOW FLOW PURGING / SAMPLING LOG

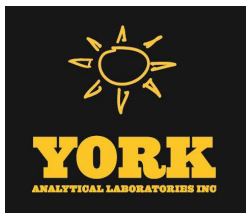
Project Number: <u>600027</u>	Client Name: <u>City/Newbury</u>
Location: <u>Offsite Well / Provan</u>	Date: <u>5/8/18</u>
Field Team: <u>Evan Stankunas</u>	

Sampling Information	Sample / Well Number: <u>MW-19</u>	Total Well Depth (ft) <u>21.80'</u>
Location: _____		
Low Flow Purge Data (WELLS ONLY)		
Date / Time: _____	Pump Type: _____	Init. Water Level: _____
Well Casing: Stick-up / Flush Mount	Measuring Point (MP): _____	Tubing Depth (from MP): _____

Sampling Data: Date: <u>5/8/18</u>	Time: <u>1115</u>	Parameters: <u>pH, SC, Temp</u>	Sample Id: <u>MW-19</u>
Field Observations: <u>curb Box Damaged, casing intact, stickup above grade. sediment over plug. may have taken on surface H₂O</u>			

Time	pH (+/-0.1)	SC (+/-3%)	Turb (+/-10%)	DO (+/-10%)	Temp (+/-3%)	ORP (+/- 10mV)	DTW (Δ<0.3ft)	Notes: CPM/PSI
1114	6.84	1090uS		59%	49.9F		19.21'	
1124	7.08	1066uS		54%	49.9F		19.12'	
1130	7.20	1089uS		58%	49.8F		19.12'	
1138	7.14	1062uS		60%	49.9F		19.14'	
1148	7.17	1066uS		64%	49.8F		19.12'	

Signature: 



Technical Report

prepared for:

EcoTec, LLC Environmental Services

3 Nancy Court, Suite 4
Wappingers Falls NY, 12590
Attention: Evan Stankunas

Report Date: 05/15/2018

Client Project ID: 18-002C/Newburgh

York Project (SDG) No.: 18E0350

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/15/2018
Client Project ID: 18-002C/Newburgh
York Project (SDG) No.: 18E0350

EcoTec, LLC Environmental Services
3 Nancy Court, Suite 4
Wappingers Falls NY, 12590
Attention: Evan Stankunas

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 May 08, 2018 and listed below. The project was identified as your project: **18-002C/Newburgh**.

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>
18E0350-01	MW-13	Water	05/07/2018	05/08/2018
18E0350-02	MW-13I	Water	05/07/2018	05/08/2018
18E0350-03	MW-15	Water	05/07/2018	05/08/2018
18E0350-04	MW-16	Water	05/07/2018	05/08/2018
18E0350-05	Blind-2	Water	05/07/2018	05/08/2018
18E0350-06	Trip Blank	Water	05/07/2018	05/08/2018

General Notes for York Project (SDG) No.: 18E0350

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: 05/15/2018





Sample Information

Client Sample ID: MW-13

York Sample ID: 18E0350-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
18E0350	18-002C/Newburgh	Water	May 7, 2018 10:29 am	05/08/2018

Volatile Organics, 8260 - Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
71-55-6	1,1,1-Trichloroethane	10		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
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,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-34-3	1,1-Dichloroethane	1.2	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
123-91-1	1,4-Dioxane	ND		ug/L	200	200	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP



Sample Information

Client Sample ID: MW-13

York Sample ID: 18E0350-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 10:29 am

05/08/2018

Volatile Organics, 8260 - Comprehensive

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	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
67-64-1	Acetone	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
156-59-2	cis-1,2-Dichloroethylene	220		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
110-82-7	Cyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP



Sample Information

Client Sample ID: MW-13

York Sample ID: 18E0350-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 10:29 am

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
108-87-2	Methylcyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
127-18-4	Tetrachloroethylene	3.0		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
108-88-3	Toluene	2.6	J, B	ug/L	1.0	3.8	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
156-60-5	trans-1,2-Dichloroethylene	4.0		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 09:00	05/14/2018 16:15	PP
79-01-6	Trichloroethylene	18		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:15	PP
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 09:00	05/14/2018 16:15	PP



Sample Information

Client Sample ID: MW-13

York Sample ID: 18E0350-01

<u>York Project (SDG) No.</u> 18E0350	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 7, 2018 10:29 am	<u>Date Received</u> 05/08/2018
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Volatile Organics, 8260 - Comprehensive

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
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %			69-130						
2037-26-5	Surrogate: Toluene-d8	97.3 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	99.0 %			79-122						

Sample Information

Client Sample ID: MW-13I

York Sample ID: 18E0350-02

<u>York Project (SDG) No.</u> 18E0350	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 7, 2018 12:15 pm	<u>Date Received</u> 05/08/2018
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Volatile Organics, 8260 - Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
71-55-6	1,1,1-Trichloroethane	0.56		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP



Sample Information

Client Sample ID: MW-131

York Sample ID: 18E0350-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 12:15 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP



Sample Information

Client Sample ID: MW-13I

York Sample ID: 18E0350-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 12:15 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
156-59-2	cis-1,2-Dichloroethylene	18		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	0.27	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:01	PP



Sample Information

Client Sample ID: MW-13I

York Sample ID: 18E0350-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 12:15 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, trans-1,4-dichloro-2-butene, Trichloroethylene (0.64), Trichlorofluoromethane, Vinyl Chloride (0.48), Xylenes, Total, and Surrogate Recoveries.

Sample Information

Client Sample ID: MW-15

York Sample ID: 18E0350-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 2:50 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane (14), 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113), and 1,1,2-Trichloroethane.



Sample Information

Client Sample ID: MW-15

York Sample ID: 18E0350-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 2:50 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
75-34-3	1,1-Dichloroethane	2.7	J	ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
107-06-2	1,2-Dichloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
123-91-1	1,4-Dioxane	ND		ug/L	400	400	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
78-93-3	2-Butanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
591-78-6	2-Hexanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
67-64-1	Acetone	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
107-02-8	Acrolein	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
107-13-1	Acrylonitrile	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
71-43-2	Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
74-97-5	Bromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP



Sample Information

Client Sample ID: MW-15

York Sample ID: 18E0350-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 2:50 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
75-27-4	Bromodichloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-25-2	Bromoform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-15-0	Carbon disulfide	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
56-23-5	Carbon tetrachloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
108-90-7	Chlorobenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-00-3	Chloroethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
67-66-3	Chloroform	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
74-87-3	Chloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
156-59-2	cis-1,2-Dichloroethylene	390		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
110-82-7	Cyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
124-48-1	Dibromochloromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
74-95-3	Dibromomethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
100-41-4	Ethyl Benzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
87-68-3	Hexachlorobutadiene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
98-82-8	Isopropylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
79-20-9	Methyl acetate	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
108-87-2	Methylcyclohexane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-09-2	Methylene chloride	ND		ug/L	10	20	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
104-51-8	n-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP



Sample Information

Client Sample ID: MW-15

York Sample ID: 18E0350-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 2:50 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
103-65-1	n-Propylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
95-47-6	o-Xylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
135-98-8	sec-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
100-42-5	Styrene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.0	10	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
98-06-6	tert-Butylbenzene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
127-18-4	Tetrachloroethylene	9.1		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
108-88-3	Toluene	5.1	J, B	ug/L	2.0	7.5	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 09:00	05/14/2018 16:41	PP
79-01-6	Trichloroethylene	55		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-69-4	Trichlorofluoromethane	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
75-01-4	Vinyl Chloride	ND		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 16:41	PP
1330-20-7	Xylenes, Total	ND		ug/L	6.0	15	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 09:00	05/14/2018 16:41	PP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.7 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.1 %	79-122								



Sample Information

Client Sample ID: MW-16

York Sample ID: 18E0350-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 1:31 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
71-55-6	1,1,1-Trichloroethane	7.8		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
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,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-34-3	1,1-Dichloroethane	1.4	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
123-91-1	1,4-Dioxane	ND		ug/L	200	200	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
78-93-3	2-Butanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP



Sample Information

Client Sample ID: MW-16

York Sample ID: 18E0350-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 1:31 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
67-64-1	Acetone	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
156-59-2	cis-1,2-Dichloroethylene	200		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
110-82-7	Cyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP



Sample Information

Client Sample ID: MW-16

York Sample ID: 18E0350-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 1:31 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
108-87-2	Methylcyclohexane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
127-18-4	Tetrachloroethylene	2.2	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
108-88-3	Toluene	2.4	J, B	ug/L	1.0	3.8	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
156-60-5	trans-1,2-Dichloroethylene	2.2	J	ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 09:00	05/14/2018 17:07	PP
79-01-6	Trichloroethylene	19		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:07	PP
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 09:00	05/14/2018 17:07	PP
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			69-130						



Sample Information

Client Sample ID: MW-16

York Sample ID: 18E0350-04

<u>York Project (SDG) No.</u> 18E0350	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 7, 2018 1:31 pm	<u>Date Received</u> 05/08/2018
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Volatile Organics, 8260 - Comprehensive

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
2037-26-5	Surrogate: Toluene-d8	98.6 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	96.8 %			79-122						

Sample Information

Client Sample ID: Blind-2

York Sample ID: 18E0350-05

<u>York Project (SDG) No.</u> 18E0350	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 7, 2018 3:00 pm	<u>Date Received</u> 05/08/2018
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Volatile Organics, 8260 - Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
71-55-6	1,1,1-Trichloroethane	0.62		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP



Sample Information

Client Sample ID: Blind-2

York Sample ID: 18E0350-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 3:00 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
156-59-2	cis-1,2-Dichloroethylene	19		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP



Sample Information

Client Sample ID: Blind-2

York Sample ID: 18E0350-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 3:00 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	0.27	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
108-88-3	Toluene	ND		ug/L	0.20	0.75	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP



Sample Information

Client Sample ID: Blind-2

York Sample ID: 18E0350-05

<u>York Project (SDG) No.</u> 18E0350	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 7, 2018 3:00 pm	<u>Date Received</u> 05/08/2018
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Volatile Organics, 8260 - Comprehensive

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
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/13/2018 10:00	05/13/2018 16:27	PP
79-01-6	Trichloroethylene	0.64		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
75-01-4	Vinyl Chloride	0.51		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:27	PP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/13/2018 10:00	05/13/2018 16:27	PP
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.8 %			69-130						
2037-26-5	Surrogate: Toluene-d8	100 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	98.5 %			79-122						

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0350-06

<u>York Project (SDG) No.</u> 18E0350	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 7, 2018 3:00 pm	<u>Date Received</u> 05/08/2018
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Volatile Organics, 8260 - Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0350-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 3:00 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0350-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 3:00 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows list various chemical compounds like Bromomethane, Carbon disulfide, etc., with their respective results and certification details.



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0350-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0350

18-002C/Newburgh

Water

May 7, 2018 3:00 pm

05/08/2018

Volatile Organics, 8260 - Comprehensive

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
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
108-88-3	Toluene	ND		ug/L	0.20	0.75	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/13/2018 10:00	05/13/2018 16:54	PP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 16:54	PP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/13/2018 10:00	05/13/2018 16:54	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130
2037-26-5	Surrogate: Toluene-d8	99.6 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	97.6 %	79-122



Analytical Batch Summary

Batch ID: BE80628

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
18E0350-02	MW-13I	05/13/18
18E0350-05	Blind-2	05/13/18
18E0350-06	Trip Blank	05/13/18
BE80628-BLK1	Blank	05/13/18
BE80628-BS1	LCS	05/13/18
BE80628-BSD1	LCS Dup	05/13/18

Batch ID: BE80703

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
18E0350-01	MW-13	05/14/18
18E0350-03	MW-15	05/14/18
18E0350-04	MW-16	05/14/18
BE80703-BLK1	Blank	05/14/18
BE80703-BS1	LCS	05/14/18
BE80703-BSD1	LCS Dup	05/14/18



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80628 - EPA 5030B

Blank (BE80628-BLK1)

Prepared & Analyzed: 05/13/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80628 - EPA 5030B

Blank (BE80628-BLK1)

Prepared & Analyzed: 05/13/2018

n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	0.56	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	9.97		"	10.0		99.7	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	9.51		"	10.0		95.1	79-122				

LCS (BE80628-BS1)

Prepared & Analyzed: 05/13/2018

1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		93.3	82-126				
1,1,1-Trichloroethane	9.6		"	10.0		95.7	78-136				
1,1,2,2-Tetrachloroethane	9.4		"	10.0		93.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165				
1,1,2-Trichloroethane	9.3		"	10.0		92.7	82-123				
1,1-Dichloroethane	9.5		"	10.0		95.4	82-129				
1,1-Dichloroethylene	9.8		"	10.0		97.8	68-138				
1,2,3-Trichlorobenzene	9.0		"	10.0		89.8	76-136				
1,2,3-Trichloropropane	9.3		"	10.0		93.2	77-128				
1,2,4-Trichlorobenzene	9.2		"	10.0		91.8	76-137				
1,2,4-Trimethylbenzene	9.3		"	10.0		92.7	82-132				
1,2-Dibromo-3-chloropropane	8.4		"	10.0		83.8	45-147				
1,2-Dibromoethane	9.1		"	10.0		91.3	83-124				
1,2-Dichlorobenzene	10		"	10.0		100	79-123				
1,2-Dichloroethane	9.6		"	10.0		96.3	73-132				
1,2-Dichloropropane	8.8		"	10.0		88.4	78-126				
1,3,5-Trimethylbenzene	9.5		"	10.0		95.0	80-131				
1,3-Dichlorobenzene	10		"	10.0		100	86-122				
1,4-Dichlorobenzene	10		"	10.0		99.6	85-124				
1,4-Dioxane	180		"	210		87.9	10-349				
2-Butanone	8.4		"	10.0		83.5	49-152				
2-Hexanone	8.8		"	10.0		87.9	51-146				
4-Methyl-2-pentanone	8.6		"	10.0		85.7	57-145				
Acetone	8.0		"	10.0		80.2	14-150				
Acrolein	7.3		"	10.0		72.7	10-153				
Acrylonitrile	9.1		"	10.0		90.9	51-150				
Benzene	9.4		"	10.0		94.4	85-126				
Bromochloromethane	9.7		"	10.0		97.1	77-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit

Batch BE80628 - EPA 5030B

LCS (BE80628-BS1)

Prepared & Analyzed: 05/13/2018

Bromodichloromethane	8.7		ug/L	10.0		86.6	79-128			
Bromoform	9.1		"	10.0		91.2	78-133			
Bromomethane	8.5		"	10.0		85.1	43-168			
Carbon disulfide	8.8		"	10.0		88.0	68-146			
Carbon tetrachloride	9.9		"	10.0		99.1	77-141			
Chlorobenzene	9.8		"	10.0		98.0	88-120			
Chloroethane	9.5		"	10.0		94.6	65-136			
Chloroform	9.3		"	10.0		92.9	82-128			
Chloromethane	8.1		"	10.0		80.8	43-155			
cis-1,2-Dichloroethylene	9.6		"	10.0		96.2	83-129			
cis-1,3-Dichloropropylene	8.8		"	10.0		88.0	80-131			
Cyclohexane	9.9		"	10.0		99.4	63-149			
Dibromochloromethane	9.3		"	10.0		92.7	80-130			
Dibromomethane	8.6		"	10.0		86.4	72-134			
Dichlorodifluoromethane	10		"	10.0		102	44-144			
Ethyl Benzene	9.5		"	10.0		94.6	80-131			
Hexachlorobutadiene	8.4		"	10.0		84.0	67-146			
Isopropylbenzene	10		"	10.0		103	76-140			
Methyl acetate	8.2		"	10.0		81.8	51-139			
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		92.9	76-135			
Methylcyclohexane	9.4		"	10.0		94.1	72-143			
Methylene chloride	9.2		"	10.0		91.8	55-137			
n-Butylbenzene	9.4		"	10.0		94.3	79-132			
n-Propylbenzene	10		"	10.0		102	78-133			
o-Xylene	9.8		"	10.0		98.0	78-130			
p- & m- Xylenes	20		"	20.0		97.8	77-133			
p-Isopropyltoluene	9.8		"	10.0		98.3	81-136			
sec-Butylbenzene	11		"	10.0		107	79-137			
Styrene	9.4		"	10.0		93.5	67-132			
tert-Butyl alcohol (TBA)	45		"	50.0		89.8	25-162			
tert-Butylbenzene	10		"	10.0		103	77-138			
Tetrachloroethylene	8.7		"	10.0		86.6	82-131			
Toluene	9.0		"	10.0		90.4	80-127			
trans-1,2-Dichloroethylene	9.0		"	10.0		89.7	80-132			
trans-1,3-Dichloropropylene	8.8		"	10.0		88.2	78-131			
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.1	63-141			
Trichloroethylene	9.0		"	10.0		90.5	82-128			
Trichlorofluoromethane	10		"	10.0		103	67-139			
Vinyl Chloride	9.8		"	10.0		97.5	58-145			
Surrogate: 1,2-Dichloroethane-d4	9.89		"	10.0		98.9	69-130			
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117			
Surrogate: p-Bromofluorobenzene	9.50		"	10.0		95.0	79-122			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE80628 - EPA 5030B											
LCS Dup (BE80628-BSD1)											
Prepared & Analyzed: 05/13/2018											
1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0		91.7	82-126		1.73	30	
1,1,1-Trichloroethane	9.2		"	10.0		91.7	78-136		4.27	30	
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.5	76-129		3.58	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		104	54-165		3.21	30	
1,1,2-Trichloroethane	8.8		"	10.0		88.0	82-123		5.20	30	
1,1-Dichloroethane	9.2		"	10.0		91.6	82-129		4.06	30	
1,1-Dichloroethylene	9.3		"	10.0		93.3	68-138		4.71	30	
1,2,3-Trichlorobenzene	8.7		"	10.0		86.8	76-136		3.40	30	
1,2,3-Trichloropropane	9.2		"	10.0		92.0	77-128		1.30	30	
1,2,4-Trichlorobenzene	8.9		"	10.0		88.6	76-137		3.55	30	
1,2,4-Trimethylbenzene	8.8		"	10.0		87.7	82-132		5.54	30	
1,2-Dibromo-3-chloropropane	8.0		"	10.0		80.0	45-147		4.64	30	
1,2-Dibromoethane	8.8		"	10.0		88.3	83-124		3.34	30	
1,2-Dichlorobenzene	9.7		"	10.0		97.4	79-123		2.73	30	
1,2-Dichloroethane	9.3		"	10.0		93.0	73-132		3.49	30	
1,2-Dichloropropane	8.7		"	10.0		87.0	78-126		1.60	30	
1,3,5-Trimethylbenzene	9.0		"	10.0		90.5	80-131		4.85	30	
1,3-Dichlorobenzene	9.5		"	10.0		94.7	86-122		5.54	30	
1,4-Dichlorobenzene	9.7		"	10.0		96.8	85-124		2.85	30	
1,4-Dioxane	180		"	210		86.6	10-349		1.47	30	
2-Butanone	8.3		"	10.0		83.2	49-152		0.360	30	
2-Hexanone	8.7		"	10.0		87.0	51-146		1.03	30	
4-Methyl-2-pentanone	8.4		"	10.0		83.5	57-145		2.60	30	
Acetone	7.6		"	10.0		75.6	14-150		5.91	30	
Acrolein	6.8		"	10.0		68.5	10-153		5.95	30	
Acrylonitrile	8.7		"	10.0		87.2	51-150		4.15	30	
Benzene	9.2		"	10.0		92.4	85-126		2.14	30	
Bromochloromethane	9.4		"	10.0		94.0	77-128		3.24	30	
Bromodichloromethane	8.5		"	10.0		84.7	79-128		2.22	30	
Bromoform	8.9		"	10.0		88.9	78-133		2.55	30	
Bromomethane	8.6		"	10.0		85.6	43-168		0.586	30	
Carbon disulfide	8.4		"	10.0		84.1	68-146		4.53	30	
Carbon tetrachloride	9.5		"	10.0		94.7	77-141		4.54	30	
Chlorobenzene	9.6		"	10.0		96.3	88-120		1.75	30	
Chloroethane	9.0		"	10.0		89.8	65-136		5.21	30	
Chloroform	8.9		"	10.0		88.9	82-128		4.40	30	
Chloromethane	8.0		"	10.0		79.8	43-155		1.25	30	
cis-1,2-Dichloroethylene	9.2		"	10.0		91.9	83-129		4.57	30	
cis-1,3-Dichloropropylene	8.6		"	10.0		86.0	80-131		2.30	30	
Cyclohexane	9.5		"	10.0		94.9	63-149		4.63	30	
Dibromochloromethane	9.0		"	10.0		90.3	80-130		2.62	30	
Dibromomethane	8.5		"	10.0		84.9	72-134		1.75	30	
Dichlorodifluoromethane	9.7		"	10.0		97.3	44-144		4.23	30	
Ethyl Benzene	9.1		"	10.0		91.1	80-131		3.77	30	
Hexachlorobutadiene	8.4		"	10.0		83.7	67-146		0.358	30	
Isopropylbenzene	9.8		"	10.0		98.0	76-140		4.88	30	
Methyl acetate	8.0		"	10.0		80.2	51-139		1.98	30	
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		91.9	76-135		1.08	30	
Methylcyclohexane	9.1		"	10.0		91.0	72-143		3.35	30	
Methylene chloride	9.0		"	10.0		90.1	55-137		1.87	30	
n-Butylbenzene	9.0		"	10.0		90.3	79-132		4.33	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level

Batch BE80628 - EPA 5030B

LCS Dup (BE80628-BSD1)

Prepared & Analyzed: 05/13/2018

n-Propylbenzene	9.7		ug/L	10.0		97.0	78-133		5.42	30
o-Xylene	9.5		"	10.0		94.7	78-130		3.43	30
p- & m- Xylenes	19		"	20.0		94.5	77-133		3.38	30
p-Isopropyltoluene	9.2		"	10.0		92.1	81-136		6.51	30
sec-Butylbenzene	10		"	10.0		103	79-137		4.01	30
Styrene	9.1		"	10.0		91.3	67-132		2.38	30
tert-Butyl alcohol (TBA)	44		"	50.0		87.3	25-162		2.80	30
tert-Butylbenzene	9.7		"	10.0		97.2	77-138		5.89	30
Tetrachloroethylene	8.3		"	10.0		83.1	82-131		4.12	30
Toluene	8.8		"	10.0		88.0	80-127		2.69	30
trans-1,2-Dichloroethylene	8.6		"	10.0		85.5	80-132		4.79	30
trans-1,3-Dichloropropylene	8.6		"	10.0		85.8	78-131		2.76	30
trans-1,4-dichloro-2-butene	8.8		"	10.0		88.2	63-141		4.33	30
Trichloroethylene	8.7		"	10.0		87.3	82-128		3.60	30
Trichlorofluoromethane	9.9		"	10.0		98.9	67-139		4.26	30
Vinyl Chloride	9.3		"	10.0		92.6	58-145		5.16	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.85</i>		<i>"</i>	<i>10.0</i>		<i>98.5</i>	<i>69-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.26</i>		<i>"</i>	<i>10.0</i>		<i>92.6</i>	<i>79-122</i>			

Batch BE80703 - EPA 5030B

Blank (BE80703-BLK1)

Prepared & Analyzed: 05/14/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L							
1,1,1-Trichloroethane	ND	0.50	"							
1,1,2,2-Tetrachloroethane	ND	0.50	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"							
1,1,2-Trichloroethane	ND	0.50	"							
1,1-Dichloroethane	ND	0.50	"							
1,1-Dichloroethylene	ND	0.50	"							
1,2,3-Trichlorobenzene	ND	0.50	"							
1,2,3-Trichloropropane	ND	0.50	"							
1,2,4-Trichlorobenzene	ND	0.50	"							
1,2,4-Trimethylbenzene	ND	0.50	"							
1,2-Dibromo-3-chloropropane	ND	0.50	"							
1,2-Dibromoethane	ND	0.50	"							
1,2-Dichlorobenzene	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dichloropropane	ND	0.50	"							
1,3,5-Trimethylbenzene	ND	0.50	"							
1,3-Dichlorobenzene	ND	0.50	"							
1,4-Dichlorobenzene	ND	0.50	"							
1,4-Dioxane	ND	40	"							
2-Butanone	ND	0.50	"							
2-Hexanone	ND	0.50	"							
4-Methyl-2-pentanone	ND	0.50	"							
Acetone	ND	2.0	"							
Acrolein	ND	0.50	"							
Acrylonitrile	ND	0.50	"							
Benzene	ND	0.50	"							
Bromochloromethane	ND	0.50	"							



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD	
		Limit								Limit	Flag

Batch BE80703 - EPA 5030B

Blank (BE80703-BLK1)

Prepared & Analyzed: 05/14/2018

Bromodichloromethane	ND	0.50	ug/L								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	0.62	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
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Surrogate: 1,2-Dichloroethane-d4	9.80		"	10.0		98.0	69-130				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: p-Bromofluorobenzene	9.86		"	10.0		98.6	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source*		%REC Limits	Flag	RPD	
		Limit	Units		Result	%REC			RPD	Limit
Batch BE80703 - EPA 5030B										
LCS (BE80703-BS1)										
Prepared & Analyzed: 05/14/2018										
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		94.6	82-126			
1,1,1-Trichloroethane	9.7		"	10.0		96.9	78-136			
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.5	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165			
1,1,2-Trichloroethane	9.1		"	10.0		91.2	82-123			
1,1-Dichloroethane	9.8		"	10.0		97.9	82-129			
1,1-Dichloroethylene	9.7		"	10.0		96.8	68-138			
1,2,3-Trichlorobenzene	9.1		"	10.0		90.9	76-136			
1,2,3-Trichloropropane	9.2		"	10.0		92.0	77-128			
1,2,4-Trichlorobenzene	9.2		"	10.0		92.3	76-137			
1,2,4-Trimethylbenzene	9.3		"	10.0		93.4	82-132			
1,2-Dibromo-3-chloropropane	8.3		"	10.0		83.1	45-147			
1,2-Dibromoethane	8.8		"	10.0		88.1	83-124			
1,2-Dichlorobenzene	10		"	10.0		101	79-123			
1,2-Dichloroethane	9.8		"	10.0		98.1	73-132			
1,2-Dichloropropane	8.8		"	10.0		87.5	78-126			
1,3,5-Trimethylbenzene	9.5		"	10.0		95.4	80-131			
1,3-Dichlorobenzene	10		"	10.0		99.5	86-122			
1,4-Dichlorobenzene	10		"	10.0		99.5	85-124			
1,4-Dioxane	170		"	210		82.9	10-349			
2-Butanone	8.8		"	10.0		88.5	49-152			
2-Hexanone	8.9		"	10.0		88.7	51-146			
4-Methyl-2-pentanone	8.4		"	10.0		84.0	57-145			
Acetone	7.6		"	10.0		75.5	14-150			
Acrolein	7.2		"	10.0		71.7	10-153			
Acrylonitrile	9.0		"	10.0		89.8	51-150			
Benzene	9.8		"	10.0		97.5	85-126			
Bromochloromethane	9.8		"	10.0		98.0	77-128			
Bromodichloromethane	8.6		"	10.0		85.7	79-128			
Bromoform	8.9		"	10.0		89.4	78-133			
Bromomethane	7.9		"	10.0		78.6	43-168			
Carbon disulfide	8.5		"	10.0		85.0	68-146			
Carbon tetrachloride	9.9		"	10.0		99.0	77-141			
Chlorobenzene	9.9		"	10.0		98.7	88-120			
Chloroethane	9.6		"	10.0		95.7	65-136			
Chloroform	9.6		"	10.0		96.4	82-128			
Chloromethane	8.1		"	10.0		81.2	43-155			
cis-1,2-Dichloroethylene	9.7		"	10.0		97.2	83-129			
cis-1,3-Dichloropropylene	8.8		"	10.0		87.5	80-131			
Cyclohexane	9.7		"	10.0		96.6	63-149			
Dibromochloromethane	9.2		"	10.0		92.4	80-130			
Dibromomethane	8.6		"	10.0		86.2	72-134			
Dichlorodifluoromethane	9.9		"	10.0		99.4	44-144			
Ethyl Benzene	9.4		"	10.0		93.8	80-131			
Hexachlorobutadiene	9.5		"	10.0		95.1	67-146			
Isopropylbenzene	10		"	10.0		100	76-140			
Methyl acetate	8.3		"	10.0		83.2	51-139			
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		96.7	76-135			
Methylcyclohexane	8.9		"	10.0		89.3	72-143			
Methylene chloride	9.6		"	10.0		96.5	55-137			
n-Butylbenzene	9.8		"	10.0		97.6	79-132			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80703 - EPA 5030B

LCS (BE80703-BS1)

Prepared & Analyzed: 05/14/2018

n-Propylbenzene	10		ug/L	10.0		101	78-133				
o-Xylene	9.8		"	10.0		98.0	78-130				
p- & m- Xylenes	20		"	20.0		98.4	77-133				
p-Isopropyltoluene	9.9		"	10.0		98.8	81-136				
sec-Butylbenzene	11		"	10.0		108	79-137				
Styrene	9.5		"	10.0		95.1	67-132				
tert-Butyl alcohol (TBA)	44		"	50.0		87.4	25-162				
tert-Butylbenzene	10		"	10.0		102	77-138				
Tetrachloroethylene	8.5		"	10.0		84.7	82-131				
Toluene	9.0		"	10.0		90.4	80-127				
trans-1,2-Dichloroethylene	8.9		"	10.0		89.3	80-132				
trans-1,3-Dichloropropylene	8.7		"	10.0		86.6	78-131				
trans-1,4-dichloro-2-butene	8.7		"	10.0		86.7	63-141				
Trichloroethylene	9.0		"	10.0		90.1	82-128				
Trichlorofluoromethane	10		"	10.0		104	67-139				
Vinyl Chloride	9.6		"	10.0		96.0	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: Toluene-d8	9.90		"	10.0		99.0	81-117				
Surrogate: p-Bromofluorobenzene	9.48		"	10.0		94.8	79-122				

LCS Dup (BE80703-BSD1)

Prepared & Analyzed: 05/14/2018

1,1,1,2-Tetrachloroethane	9.0		ug/L	10.0		89.6	82-126		5.43	30	
1,1,1-Trichloroethane	9.3		"	10.0		92.6	78-136		4.54	30	
1,1,2,2-Tetrachloroethane	8.8		"	10.0		88.2	76-129		2.57	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		101	54-165		6.62	30	
1,1,2-Trichloroethane	8.8		"	10.0		88.0	82-123		3.57	30	
1,1-Dichloroethane	9.1		"	10.0		91.0	82-129		7.31	30	
1,1-Dichloroethylene	9.3		"	10.0		92.7	68-138		4.33	30	
1,2,3-Trichlorobenzene	8.8		"	10.0		87.6	76-136		3.70	30	
1,2,3-Trichloropropane	9.0		"	10.0		90.0	77-128		2.20	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		88.5	76-137		4.20	30	
1,2,4-Trimethylbenzene	8.9		"	10.0		89.2	82-132		4.60	30	
1,2-Dibromo-3-chloropropane	7.7		"	10.0		76.6	45-147		8.14	30	
1,2-Dibromoethane	8.7		"	10.0		87.0	83-124		1.26	30	
1,2-Dichlorobenzene	9.7		"	10.0		96.6	79-123		4.45	30	
1,2-Dichloroethane	9.6		"	10.0		95.5	73-132		2.69	30	
1,2-Dichloropropane	8.6		"	10.0		85.5	78-126		2.31	30	
1,3,5-Trimethylbenzene	9.1		"	10.0		91.2	80-131		4.50	30	
1,3-Dichlorobenzene	9.6		"	10.0		96.3	86-122		3.27	30	
1,4-Dichlorobenzene	9.5		"	10.0		94.8	85-124		4.84	30	
1,4-Dioxane	180		"	210		84.0	10-349		1.28	30	
2-Butanone	9.2		"	10.0		91.5	49-152		3.33	30	
2-Hexanone	8.5		"	10.0		84.7	51-146		4.61	30	
4-Methyl-2-pentanone	8.1		"	10.0		81.2	57-145		3.39	30	
Acetone	7.2		"	10.0		71.6	14-150		5.30	30	
Acrolein	6.7		"	10.0		66.7	10-153		7.23	30	
Acrylonitrile	9.2		"	10.0		91.8	51-150		2.20	30	
Benzene	9.2		"	10.0		92.0	85-126		5.80	30	
Bromochloromethane	9.5		"	10.0		94.8	77-128		3.32	30	
Bromodichloromethane	8.3		"	10.0		83.3	79-128		2.84	30	
Bromoform	8.6		"	10.0		86.0	78-133		3.88	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

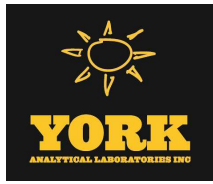
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80703 - EPA 5030B

LCS Dup (BE80703-BSD1)

Prepared & Analyzed: 05/14/2018

Bromomethane	7.9		ug/L	10.0		79.0	43-168		0.508	30	
Carbon disulfide	7.9		"	10.0		79.2	68-146		7.06	30	
Carbon tetrachloride	9.5		"	10.0		94.7	77-141		4.44	30	
Chlorobenzene	9.6		"	10.0		95.7	88-120		3.09	30	
Chloroethane	8.7		"	10.0		86.7	65-136		9.87	30	
Chloroform	9.1		"	10.0		91.1	82-128		5.65	30	
Chloromethane	7.7		"	10.0		77.2	43-155		5.05	30	
cis-1,2-Dichloroethylene	9.2		"	10.0		91.7	83-129		5.82	30	
cis-1,3-Dichloropropylene	8.4		"	10.0		84.2	80-131		3.84	30	
Cyclohexane	9.2		"	10.0		92.5	63-149		4.34	30	
Dibromochloromethane	9.0		"	10.0		90.2	80-130		2.41	30	
Dibromomethane	8.3		"	10.0		82.9	72-134		3.90	30	
Dichlorodifluoromethane	9.4		"	10.0		94.4	44-144		5.16	30	
Ethyl Benzene	9.1		"	10.0		90.6	80-131		3.47	30	
Hexachlorobutadiene	9.0		"	10.0		89.9	67-146		5.62	30	
Isopropylbenzene	9.6		"	10.0		96.5	76-140		3.86	30	
Methyl acetate	7.9		"	10.0		78.6	51-139		5.69	30	
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		92.8	76-135		4.12	30	
Methylcyclohexane	8.5		"	10.0		85.1	72-143		4.82	30	
Methylene chloride	9.2		"	10.0		92.1	55-137		4.67	30	
n-Butylbenzene	9.4		"	10.0		94.1	79-132		3.65	30	
n-Propylbenzene	9.6		"	10.0		96.3	78-133		5.06	30	
o-Xylene	9.5		"	10.0		94.7	78-130		3.43	30	
p- & m- Xylenes	19		"	20.0		94.0	77-133		4.63	30	
p-Isopropyltoluene	9.4		"	10.0		94.1	81-136		4.87	30	
sec-Butylbenzene	10		"	10.0		104	79-137		3.60	30	
Styrene	9.1		"	10.0		91.2	67-132		4.19	30	
tert-Butyl alcohol (TBA)	43		"	50.0		86.9	25-162		0.528	30	
tert-Butylbenzene	9.9		"	10.0		98.6	77-138		3.78	30	
Tetrachloroethylene	8.2		"	10.0		82.1	82-131		3.12	30	
Toluene	8.7		"	10.0		86.6	80-127		4.29	30	
trans-1,2-Dichloroethylene	8.4		"	10.0		84.3	80-132		5.76	30	
trans-1,3-Dichloropropylene	8.3		"	10.0		83.4	78-131		3.76	30	
trans-1,4-dichloro-2-butene	8.4		"	10.0		84.3	63-141		2.81	30	
Trichloroethylene	8.4		"	10.0		84.3	82-128		6.65	30	
Trichlorofluoromethane	9.7		"	10.0		97.2	67-139		7.24	30	
Vinyl Chloride	9.2		"	10.0		92.3	58-145		3.93	30	
Surrogate: 1,2-Dichloroethane-d4	9.94		"	10.0		99.4	69-130				
Surrogate: Toluene-d8	9.94		"	10.0		99.4	81-117				
Surrogate: p-Bromofluorobenzene	9.40		"	10.0		94.0	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0350-01	MW-13	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0350-02	MW-13I	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0350-03	MW-15	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0350-04	MW-16	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0350-05	Blind-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0350-06	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- 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.

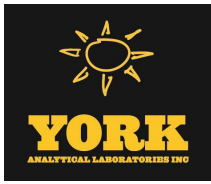
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.

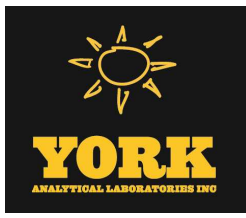
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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:

EcoTec, LLC Environmental Services

3 Nancy Court, Suite 4
Wappingers Falls NY, 12590
Attention: Evan Stankunas

Report Date: 05/15/2018

Client Project ID: 18-002C/Newburgh

York Project (SDG) No.: 18E0438

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 05/15/2018
Client Project ID: 18-002C/Newburgh
York Project (SDG) No.: 18E0438

EcoTec, LLC Environmental Services
3 Nancy Court, Suite 4
Wappingers Falls NY, 12590
Attention: Evan Stankunas

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 May 09, 2018 and listed below. The project was identified as your project: **18-002C/Newburgh**.

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>
18E0438-01	MW-18	Water	05/08/2018	05/09/2018
18E0438-02	MW-19	Water	05/08/2018	05/09/2018
18E0438-03	BLIND-3	Water	05/08/2018	05/09/2018
18E0438-04	Trip Blank	Water	05/08/2018	05/09/2018

General Notes for York Project (SDG) No.: 18E0438

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: 05/15/2018





Sample Information

Client Sample ID: MW-18

York Sample ID: 18E0438-01

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0438	18-002C/Newburgh	Water	May 8, 2018 10:35 am	05/09/2018

Volatile Organics, 8260 - Comprehensive

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
71-55-6	1,1,1-Trichloroethane	1.7		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-34-3	1,1-Dichloroethane	0.50	J	ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP



Sample Information

Client Sample ID: MW-18

York Sample ID: 18E0438-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0438

18-002C/Newburgh

Water

May 8, 2018 10:35 am

05/09/2018

Volatile Organics, 8260 - Comprehensive

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	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
67-64-1	Acetone	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
74-83-9	Bromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
156-59-2	cis-1,2-Dichloroethylene	36		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
110-82-7	Cyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP



Sample Information

Client Sample ID: MW-18

York Sample ID: 18E0438-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0438

18-002C/Newburgh

Water

May 8, 2018 10:35 am

05/09/2018

Volatile Organics, 8260 - Comprehensive

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
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
108-87-2	Methylcyclohexane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
127-18-4	Tetrachloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
108-88-3	Toluene	0.94	J, B	ug/L	0.40	1.5	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 09:00	05/14/2018 17:34	PP
79-01-6	Trichloroethylene	3.9		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/14/2018 09:00	05/14/2018 17:34	PP
1330-20-7	Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/14/2018 09:00	05/14/2018 17:34	PP

Surrogate Recoveries

Result

Acceptance Range



Sample Information

Client Sample ID: MW-18

York Sample ID: 18E0438-01

<u>York Project (SDG) No.</u> 18E0438	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 8, 2018 10:35 am	<u>Date Received</u> 05/09/2018
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Volatile Organics, 8260 - Comprehensive

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
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			69-130						
2037-26-5	Surrogate: Toluene-d8	98.7 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	98.0 %			79-122						

Sample Information

Client Sample ID: MW-19

York Sample ID: 18E0438-02

<u>York Project (SDG) No.</u> 18E0438	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 8, 2018 11:53 am	<u>Date Received</u> 05/09/2018
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Volatile Organics, 8260 - Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP



Sample Information

Client Sample ID: MW-19

York Sample ID: 18E0438-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0438

18-002C/Newburgh

Water

May 8, 2018 11:53 am

05/09/2018

Volatile Organics, 8260 - Comprehensive

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
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP



Sample Information

Client Sample ID: MW-19

York Sample ID: 18E0438-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0438

18-002C/Newburgh

Water

May 8, 2018 11:53 am

05/09/2018

Volatile Organics, 8260 - Comprehensive

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
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 20:50	PP



Sample Information

Client Sample ID: MW-19

York Sample ID: 18E0438-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0438, 18-002C/Newburgh, Water, May 8, 2018 11:53 am, 05/09/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Toluene, trans-1,2-Dichloroethylene, etc.

Surrogate Recoveries

Result

Acceptance Range

Table with 3 columns: Surrogate, Result, Acceptance Range. Rows: 17060-07-0 Surrogate: 1,2-Dichloroethane-d4, 2037-26-5 Surrogate: Toluene-d8, 460-00-4 Surrogate: p-Bromofluorobenzene

Sample Information

Client Sample ID: BLIND-3

York Sample ID: 18E0438-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18E0438, 18-002C/Newburgh, Water, May 8, 2018 3:00 pm, 05/09/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Main data table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.



Sample Information

Client Sample ID: BLIND-3

York Sample ID: 18E0438-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0438

18-002C/Newburgh

Water

May 8, 2018 3:00 pm

05/09/2018

Volatile Organics, 8260 - Comprehensive

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
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP



Sample Information

Client Sample ID: BLIND-3

York Sample ID: 18E0438-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0438

18-002C/Newburgh

Water

May 8, 2018 3:00 pm

05/09/2018

Volatile Organics, 8260 - Comprehensive

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
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
67-66-3	Chloroform	0.30	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
156-59-2	cis-1,2-Dichloroethylene	43		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP



Sample Information

Client Sample ID: BLIND-3

York Sample ID: 18E0438-03

<u>York Project (SDG) No.</u> 18E0438	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 8, 2018 3:00 pm	<u>Date Received</u> 05/09/2018
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Volatile Organics, 8260 - Comprehensive

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	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
127-18-4	Tetrachloroethylene	0.37	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
108-88-3	Toluene	ND		ug/L	0.20	0.75	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/13/2018 10:00	05/13/2018 21:16	PP
79-01-6	Trichloroethylene	4.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 21:16	PP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/13/2018 10:00	05/13/2018 21:16	PP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.9 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	97.3 %	79-122								

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0438-04

<u>York Project (SDG) No.</u> 18E0438	<u>Client Project ID</u> 18-002C/Newburgh	<u>Matrix</u> Water	<u>Collection Date/Time</u> May 8, 2018 3:00 pm	<u>Date Received</u> 05/09/2018
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Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0438-04

York Project (SDG) No.

18E0438

Client Project ID

18-002C/Newburgh

Matrix

Water

Collection Date/Time

May 8, 2018 3:00 pm

Date Received

05/09/2018

Volatile Organics, 8260 - Comprehensive

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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
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,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0438-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18E0438

18-002C/Newburgh

Water

May 8, 2018 3:00 pm

05/09/2018

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 13 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Acrolein, Acrylonitrile, Benzene, Bromochloromethane, Bromodichloromethane, Bromoform, Bromomethane, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroethane, Chloroform, Chloromethane, cis-1,2-Dichloroethylene, cis-1,3-Dichloropropylene, Cyclohexane, Dibromochloromethane, Dibromomethane, Dichlorodifluoromethane, Ethyl Benzene, Hexachlorobutadiene, Isopropylbenzene, Methyl acetate.



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0438-04

York Project (SDG) No.

18E0438

Client Project ID

18-002C/Newburgh

Matrix

Water

Collection Date/Time

May 8, 2018 3:00 pm

Date Received

05/09/2018

Volatile Organics, 8260 - Comprehensive

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
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
108-88-3	Toluene	ND		ug/L	0.20	0.75	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/13/2018 10:00	05/13/2018 17:20	PP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/13/2018 10:00	05/13/2018 17:20	PP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	05/13/2018 10:00	05/13/2018 17:20	PP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.4 %	69-130
2037-26-5	Surrogate: Toluene-d8	99.5 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	99.3 %	79-122

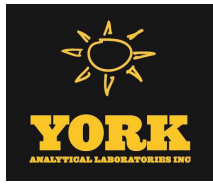


Sample Information

Client Sample ID: Trip Blank

York Sample ID: 18E0438-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>
18E0438	18-002C/Newburgh	Water	May 8, 2018 3:00 pm	05/09/2018



Analytical Batch Summary

Batch ID: BE80628

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
18E0438-02	MW-19	05/13/18
18E0438-03	BLIND-3	05/13/18
18E0438-04	Trip Blank	05/13/18
BE80628-BLK1	Blank	05/13/18
BE80628-BS1	LCS	05/13/18
BE80628-BSD1	LCS Dup	05/13/18

Batch ID: BE80703

Preparation Method: EPA 5030B

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
18E0438-01	MW-18	05/14/18
BE80703-BLK1	Blank	05/14/18
BE80703-BS1	LCS	05/14/18
BE80703-BSD1	LCS Dup	05/14/18



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80628 - EPA 5030B

Blank (BE80628-BLK1)

Prepared & Analyzed: 05/13/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80628 - EPA 5030B

Blank (BE80628-BLK1)

Prepared & Analyzed: 05/13/2018

n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	0.56	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	9.97		"	10.0		99.7	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	9.51		"	10.0		95.1	79-122				

LCS (BE80628-BS1)

Prepared & Analyzed: 05/13/2018

1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		93.3	82-126				
1,1,1-Trichloroethane	9.6		"	10.0		95.7	78-136				
1,1,2,2-Tetrachloroethane	9.4		"	10.0		93.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165				
1,1,2-Trichloroethane	9.3		"	10.0		92.7	82-123				
1,1-Dichloroethane	9.5		"	10.0		95.4	82-129				
1,1-Dichloroethylene	9.8		"	10.0		97.8	68-138				
1,2,3-Trichlorobenzene	9.0		"	10.0		89.8	76-136				
1,2,3-Trichloropropane	9.3		"	10.0		93.2	77-128				
1,2,4-Trichlorobenzene	9.2		"	10.0		91.8	76-137				
1,2,4-Trimethylbenzene	9.3		"	10.0		92.7	82-132				
1,2-Dibromo-3-chloropropane	8.4		"	10.0		83.8	45-147				
1,2-Dibromoethane	9.1		"	10.0		91.3	83-124				
1,2-Dichlorobenzene	10		"	10.0		100	79-123				
1,2-Dichloroethane	9.6		"	10.0		96.3	73-132				
1,2-Dichloropropane	8.8		"	10.0		88.4	78-126				
1,3,5-Trimethylbenzene	9.5		"	10.0		95.0	80-131				
1,3-Dichlorobenzene	10		"	10.0		100	86-122				
1,4-Dichlorobenzene	10		"	10.0		99.6	85-124				
1,4-Dioxane	180		"	210		87.9	10-349				
2-Butanone	8.4		"	10.0		83.5	49-152				
2-Hexanone	8.8		"	10.0		87.9	51-146				
4-Methyl-2-pentanone	8.6		"	10.0		85.7	57-145				
Acetone	8.0		"	10.0		80.2	14-150				
Acrolein	7.3		"	10.0		72.7	10-153				
Acrylonitrile	9.1		"	10.0		90.9	51-150				
Benzene	9.4		"	10.0		94.4	85-126				
Bromochloromethane	9.7		"	10.0		97.1	77-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80628 - EPA 5030B

LCS (BE80628-BS1)

Prepared & Analyzed: 05/13/2018

Bromodichloromethane	8.7		ug/L	10.0		86.6	79-128				
Bromoform	9.1		"	10.0		91.2	78-133				
Bromomethane	8.5		"	10.0		85.1	43-168				
Carbon disulfide	8.8		"	10.0		88.0	68-146				
Carbon tetrachloride	9.9		"	10.0		99.1	77-141				
Chlorobenzene	9.8		"	10.0		98.0	88-120				
Chloroethane	9.5		"	10.0		94.6	65-136				
Chloroform	9.3		"	10.0		92.9	82-128				
Chloromethane	8.1		"	10.0		80.8	43-155				
cis-1,2-Dichloroethylene	9.6		"	10.0		96.2	83-129				
cis-1,3-Dichloropropylene	8.8		"	10.0		88.0	80-131				
Cyclohexane	9.9		"	10.0		99.4	63-149				
Dibromochloromethane	9.3		"	10.0		92.7	80-130				
Dibromomethane	8.6		"	10.0		86.4	72-134				
Dichlorodifluoromethane	10		"	10.0		102	44-144				
Ethyl Benzene	9.5		"	10.0		94.6	80-131				
Hexachlorobutadiene	8.4		"	10.0		84.0	67-146				
Isopropylbenzene	10		"	10.0		103	76-140				
Methyl acetate	8.2		"	10.0		81.8	51-139				
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		92.9	76-135				
Methylcyclohexane	9.4		"	10.0		94.1	72-143				
Methylene chloride	9.2		"	10.0		91.8	55-137				
n-Butylbenzene	9.4		"	10.0		94.3	79-132				
n-Propylbenzene	10		"	10.0		102	78-133				
o-Xylene	9.8		"	10.0		98.0	78-130				
p- & m- Xylenes	20		"	20.0		97.8	77-133				
p-Isopropyltoluene	9.8		"	10.0		98.3	81-136				
sec-Butylbenzene	11		"	10.0		107	79-137				
Styrene	9.4		"	10.0		93.5	67-132				
tert-Butyl alcohol (TBA)	45		"	50.0		89.8	25-162				
tert-Butylbenzene	10		"	10.0		103	77-138				
Tetrachloroethylene	8.7		"	10.0		86.6	82-131				
Toluene	9.0		"	10.0		90.4	80-127				
trans-1,2-Dichloroethylene	9.0		"	10.0		89.7	80-132				
trans-1,3-Dichloropropylene	8.8		"	10.0		88.2	78-131				
trans-1,4-dichloro-2-butene	9.2		"	10.0		92.1	63-141				
Trichloroethylene	9.0		"	10.0		90.5	82-128				
Trichlorofluoromethane	10		"	10.0		103	67-139				
Vinyl Chloride	9.8		"	10.0		97.5	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.89		"	10.0		98.9	69-130				
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: p-Bromofluorobenzene	9.50		"	10.0		95.0	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Spike	Source*	%REC	%REC	Limits	Flag	RPD	
		Limit							Units	Level
Batch BE80628 - EPA 5030B										
LCS Dup (BE80628-BSD1)										
Prepared & Analyzed: 05/13/2018										
1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0	91.7	82-126			1.73	30
1,1,1-Trichloroethane	9.2		"	10.0	91.7	78-136			4.27	30
1,1,2,2-Tetrachloroethane	9.0		"	10.0	90.5	76-129			3.58	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0	104	54-165			3.21	30
1,1,2-Trichloroethane	8.8		"	10.0	88.0	82-123			5.20	30
1,1-Dichloroethane	9.2		"	10.0	91.6	82-129			4.06	30
1,1-Dichloroethylene	9.3		"	10.0	93.3	68-138			4.71	30
1,2,3-Trichlorobenzene	8.7		"	10.0	86.8	76-136			3.40	30
1,2,3-Trichloropropane	9.2		"	10.0	92.0	77-128			1.30	30
1,2,4-Trichlorobenzene	8.9		"	10.0	88.6	76-137			3.55	30
1,2,4-Trimethylbenzene	8.8		"	10.0	87.7	82-132			5.54	30
1,2-Dibromo-3-chloropropane	8.0		"	10.0	80.0	45-147			4.64	30
1,2-Dibromoethane	8.8		"	10.0	88.3	83-124			3.34	30
1,2-Dichlorobenzene	9.7		"	10.0	97.4	79-123			2.73	30
1,2-Dichloroethane	9.3		"	10.0	93.0	73-132			3.49	30
1,2-Dichloropropane	8.7		"	10.0	87.0	78-126			1.60	30
1,3,5-Trimethylbenzene	9.0		"	10.0	90.5	80-131			4.85	30
1,3-Dichlorobenzene	9.5		"	10.0	94.7	86-122			5.54	30
1,4-Dichlorobenzene	9.7		"	10.0	96.8	85-124			2.85	30
1,4-Dioxane	180		"	210	86.6	10-349			1.47	30
2-Butanone	8.3		"	10.0	83.2	49-152			0.360	30
2-Hexanone	8.7		"	10.0	87.0	51-146			1.03	30
4-Methyl-2-pentanone	8.4		"	10.0	83.5	57-145			2.60	30
Acetone	7.6		"	10.0	75.6	14-150			5.91	30
Acrolein	6.8		"	10.0	68.5	10-153			5.95	30
Acrylonitrile	8.7		"	10.0	87.2	51-150			4.15	30
Benzene	9.2		"	10.0	92.4	85-126			2.14	30
Bromochloromethane	9.4		"	10.0	94.0	77-128			3.24	30
Bromodichloromethane	8.5		"	10.0	84.7	79-128			2.22	30
Bromoform	8.9		"	10.0	88.9	78-133			2.55	30
Bromomethane	8.6		"	10.0	85.6	43-168			0.586	30
Carbon disulfide	8.4		"	10.0	84.1	68-146			4.53	30
Carbon tetrachloride	9.5		"	10.0	94.7	77-141			4.54	30
Chlorobenzene	9.6		"	10.0	96.3	88-120			1.75	30
Chloroethane	9.0		"	10.0	89.8	65-136			5.21	30
Chloroform	8.9		"	10.0	88.9	82-128			4.40	30
Chloromethane	8.0		"	10.0	79.8	43-155			1.25	30
cis-1,2-Dichloroethylene	9.2		"	10.0	91.9	83-129			4.57	30
cis-1,3-Dichloropropylene	8.6		"	10.0	86.0	80-131			2.30	30
Cyclohexane	9.5		"	10.0	94.9	63-149			4.63	30
Dibromochloromethane	9.0		"	10.0	90.3	80-130			2.62	30
Dibromomethane	8.5		"	10.0	84.9	72-134			1.75	30
Dichlorodifluoromethane	9.7		"	10.0	97.3	44-144			4.23	30
Ethyl Benzene	9.1		"	10.0	91.1	80-131			3.77	30
Hexachlorobutadiene	8.4		"	10.0	83.7	67-146			0.358	30
Isopropylbenzene	9.8		"	10.0	98.0	76-140			4.88	30
Methyl acetate	8.0		"	10.0	80.2	51-139			1.98	30
Methyl tert-butyl ether (MTBE)	9.2		"	10.0	91.9	76-135			1.08	30
Methylcyclohexane	9.1		"	10.0	91.0	72-143			3.35	30
Methylene chloride	9.0		"	10.0	90.1	55-137			1.87	30
n-Butylbenzene	9.0		"	10.0	90.3	79-132			4.33	30



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80628 - EPA 5030B

LCS Dup (BE80628-BSD1)

Prepared & Analyzed: 05/13/2018

n-Propylbenzene	9.7		ug/L	10.0		97.0	78-133		5.42	30	
o-Xylene	9.5		"	10.0		94.7	78-130		3.43	30	
p- & m- Xylenes	19		"	20.0		94.5	77-133		3.38	30	
p-Isopropyltoluene	9.2		"	10.0		92.1	81-136		6.51	30	
sec-Butylbenzene	10		"	10.0		103	79-137		4.01	30	
Styrene	9.1		"	10.0		91.3	67-132		2.38	30	
tert-Butyl alcohol (TBA)	44		"	50.0		87.3	25-162		2.80	30	
tert-Butylbenzene	9.7		"	10.0		97.2	77-138		5.89	30	
Tetrachloroethylene	8.3		"	10.0		83.1	82-131		4.12	30	
Toluene	8.8		"	10.0		88.0	80-127		2.69	30	
trans-1,2-Dichloroethylene	8.6		"	10.0		85.5	80-132		4.79	30	
trans-1,3-Dichloropropylene	8.6		"	10.0		85.8	78-131		2.76	30	
trans-1,4-dichloro-2-butene	8.8		"	10.0		88.2	63-141		4.33	30	
Trichloroethylene	8.7		"	10.0		87.3	82-128		3.60	30	
Trichlorofluoromethane	9.9		"	10.0		98.9	67-139		4.26	30	
Vinyl Chloride	9.3		"	10.0		92.6	58-145		5.16	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	9.85		"	10.0		98.5	69-130				
<i>Surrogate: Toluene-d8</i>	10.1		"	10.0		101	81-117				
<i>Surrogate: p-Bromofluorobenzene</i>	9.26		"	10.0		92.6	79-122				

Batch BE80703 - EPA 5030B

Blank (BE80703-BLK1)

Prepared & Analyzed: 05/14/2018

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit								Limit			

Batch BE80703 - EPA 5030B

Blank (BE80703-BLK1)

Prepared & Analyzed: 05/14/2018

Bromodichloromethane	ND	0.50	ug/L										
Bromoform	ND	0.50	"										
Bromomethane	ND	0.50	"										
Carbon disulfide	ND	0.50	"										
Carbon tetrachloride	ND	0.50	"										
Chlorobenzene	ND	0.50	"										
Chloroethane	ND	0.50	"										
Chloroform	ND	0.50	"										
Chloromethane	ND	0.50	"										
cis-1,2-Dichloroethylene	ND	0.50	"										
cis-1,3-Dichloropropylene	ND	0.50	"										
Cyclohexane	ND	0.50	"										
Dibromochloromethane	ND	0.50	"										
Dibromomethane	ND	0.50	"										
Dichlorodifluoromethane	ND	0.50	"										
Ethyl Benzene	ND	0.50	"										
Hexachlorobutadiene	ND	0.50	"										
Isopropylbenzene	ND	0.50	"										
Methyl acetate	ND	0.50	"										
Methyl tert-butyl ether (MTBE)	ND	0.50	"										
Methylcyclohexane	ND	0.50	"										
Methylene chloride	ND	2.0	"										
n-Butylbenzene	ND	0.50	"										
n-Propylbenzene	ND	0.50	"										
o-Xylene	ND	0.50	"										
p- & m- Xylenes	ND	1.0	"										
p-Isopropyltoluene	ND	0.50	"										
sec-Butylbenzene	ND	0.50	"										
Styrene	ND	0.50	"										
tert-Butyl alcohol (TBA)	ND	1.0	"										
tert-Butylbenzene	ND	0.50	"										
Tetrachloroethylene	ND	0.50	"										
Toluene	0.62	0.50	"										
trans-1,2-Dichloroethylene	ND	0.50	"										
trans-1,3-Dichloropropylene	ND	0.50	"										
trans-1,4-dichloro-2-butene	ND	0.50	"										
Trichloroethylene	ND	0.50	"										
Trichlorofluoromethane	ND	0.50	"										
Vinyl Chloride	ND	0.50	"										
Xylenes, Total	ND	1.5	"										
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Surrogate: 1,2-Dichloroethane-d4	9.80		"	10.0		98.0		69-130					
Surrogate: Toluene-d8	9.86		"	10.0		98.6		81-117					
Surrogate: p-Bromofluorobenzene	9.86		"	10.0		98.6		79-122					



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
Batch BE80703 - EPA 5030B										
LCS (BE80703-BS1)										
Prepared & Analyzed: 05/14/2018										
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		94.6	82-126			
1,1,1-Trichloroethane	9.7		"	10.0		96.9	78-136			
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.5	76-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165			
1,1,2-Trichloroethane	9.1		"	10.0		91.2	82-123			
1,1-Dichloroethane	9.8		"	10.0		97.9	82-129			
1,1-Dichloroethylene	9.7		"	10.0		96.8	68-138			
1,2,3-Trichlorobenzene	9.1		"	10.0		90.9	76-136			
1,2,3-Trichloropropane	9.2		"	10.0		92.0	77-128			
1,2,4-Trichlorobenzene	9.2		"	10.0		92.3	76-137			
1,2,4-Trimethylbenzene	9.3		"	10.0		93.4	82-132			
1,2-Dibromo-3-chloropropane	8.3		"	10.0		83.1	45-147			
1,2-Dibromoethane	8.8		"	10.0		88.1	83-124			
1,2-Dichlorobenzene	10		"	10.0		101	79-123			
1,2-Dichloroethane	9.8		"	10.0		98.1	73-132			
1,2-Dichloropropane	8.8		"	10.0		87.5	78-126			
1,3,5-Trimethylbenzene	9.5		"	10.0		95.4	80-131			
1,3-Dichlorobenzene	10		"	10.0		99.5	86-122			
1,4-Dichlorobenzene	10		"	10.0		99.5	85-124			
1,4-Dioxane	170		"	210		82.9	10-349			
2-Butanone	8.8		"	10.0		88.5	49-152			
2-Hexanone	8.9		"	10.0		88.7	51-146			
4-Methyl-2-pentanone	8.4		"	10.0		84.0	57-145			
Acetone	7.6		"	10.0		75.5	14-150			
Acrolein	7.2		"	10.0		71.7	10-153			
Acrylonitrile	9.0		"	10.0		89.8	51-150			
Benzene	9.8		"	10.0		97.5	85-126			
Bromochloromethane	9.8		"	10.0		98.0	77-128			
Bromodichloromethane	8.6		"	10.0		85.7	79-128			
Bromoform	8.9		"	10.0		89.4	78-133			
Bromomethane	7.9		"	10.0		78.6	43-168			
Carbon disulfide	8.5		"	10.0		85.0	68-146			
Carbon tetrachloride	9.9		"	10.0		99.0	77-141			
Chlorobenzene	9.9		"	10.0		98.7	88-120			
Chloroethane	9.6		"	10.0		95.7	65-136			
Chloroform	9.6		"	10.0		96.4	82-128			
Chloromethane	8.1		"	10.0		81.2	43-155			
cis-1,2-Dichloroethylene	9.7		"	10.0		97.2	83-129			
cis-1,3-Dichloropropylene	8.8		"	10.0		87.5	80-131			
Cyclohexane	9.7		"	10.0		96.6	63-149			
Dibromochloromethane	9.2		"	10.0		92.4	80-130			
Dibromomethane	8.6		"	10.0		86.2	72-134			
Dichlorodifluoromethane	9.9		"	10.0		99.4	44-144			
Ethyl Benzene	9.4		"	10.0		93.8	80-131			
Hexachlorobutadiene	9.5		"	10.0		95.1	67-146			
Isopropylbenzene	10		"	10.0		100	76-140			
Methyl acetate	8.3		"	10.0		83.2	51-139			
Methyl tert-butyl ether (MTBE)	9.7		"	10.0		96.7	76-135			
Methylcyclohexane	8.9		"	10.0		89.3	72-143			
Methylene chloride	9.6		"	10.0		96.5	55-137			
n-Butylbenzene	9.8		"	10.0		97.6	79-132			



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting		Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	
		Limit	Units						RPD	Limit
Batch BE80703 - EPA 5030B										
LCS (BE80703-BS1)										
Prepared & Analyzed: 05/14/2018										
n-Propylbenzene	10		ug/L	10.0		101	78-133			
o-Xylene	9.8		"	10.0		98.0	78-130			
p- & m- Xylenes	20		"	20.0		98.4	77-133			
p-Isopropyltoluene	9.9		"	10.0		98.8	81-136			
sec-Butylbenzene	11		"	10.0		108	79-137			
Styrene	9.5		"	10.0		95.1	67-132			
tert-Butyl alcohol (TBA)	44		"	50.0		87.4	25-162			
tert-Butylbenzene	10		"	10.0		102	77-138			
Tetrachloroethylene	8.5		"	10.0		84.7	82-131			
Toluene	9.0		"	10.0		90.4	80-127			
trans-1,2-Dichloroethylene	8.9		"	10.0		89.3	80-132			
trans-1,3-Dichloropropylene	8.7		"	10.0		86.6	78-131			
trans-1,4-dichloro-2-butene	8.7		"	10.0		86.7	63-141			
Trichloroethylene	9.0		"	10.0		90.1	82-128			
Trichlorofluoromethane	10		"	10.0		104	67-139			
Vinyl Chloride	9.6		"	10.0		96.0	58-145			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>69-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.90</i>		<i>"</i>	<i>10.0</i>		<i>99.0</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.48</i>		<i>"</i>	<i>10.0</i>		<i>94.8</i>	<i>79-122</i>			
LCS Dup (BE80703-BSD1)										
Prepared & Analyzed: 05/14/2018										
1,1,1,2-Tetrachloroethane	9.0		ug/L	10.0		89.6	82-126	5.43	30	
1,1,1-Trichloroethane	9.3		"	10.0		92.6	78-136	4.54	30	
1,1,2,2-Tetrachloroethane	8.8		"	10.0		88.2	76-129	2.57	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		101	54-165	6.62	30	
1,1,2-Trichloroethane	8.8		"	10.0		88.0	82-123	3.57	30	
1,1-Dichloroethane	9.1		"	10.0		91.0	82-129	7.31	30	
1,1-Dichloroethylene	9.3		"	10.0		92.7	68-138	4.33	30	
1,2,3-Trichlorobenzene	8.8		"	10.0		87.6	76-136	3.70	30	
1,2,3-Trichloropropane	9.0		"	10.0		90.0	77-128	2.20	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		88.5	76-137	4.20	30	
1,2,4-Trimethylbenzene	8.9		"	10.0		89.2	82-132	4.60	30	
1,2-Dibromo-3-chloropropane	7.7		"	10.0		76.6	45-147	8.14	30	
1,2-Dibromoethane	8.7		"	10.0		87.0	83-124	1.26	30	
1,2-Dichlorobenzene	9.7		"	10.0		96.6	79-123	4.45	30	
1,2-Dichloroethane	9.6		"	10.0		95.5	73-132	2.69	30	
1,2-Dichloropropane	8.6		"	10.0		85.5	78-126	2.31	30	
1,3,5-Trimethylbenzene	9.1		"	10.0		91.2	80-131	4.50	30	
1,3-Dichlorobenzene	9.6		"	10.0		96.3	86-122	3.27	30	
1,4-Dichlorobenzene	9.5		"	10.0		94.8	85-124	4.84	30	
1,4-Dioxane	180		"	210		84.0	10-349	1.28	30	
2-Butanone	9.2		"	10.0		91.5	49-152	3.33	30	
2-Hexanone	8.5		"	10.0		84.7	51-146	4.61	30	
4-Methyl-2-pentanone	8.1		"	10.0		81.2	57-145	3.39	30	
Acetone	7.2		"	10.0		71.6	14-150	5.30	30	
Acrolein	6.7		"	10.0		66.7	10-153	7.23	30	
Acrylonitrile	9.2		"	10.0		91.8	51-150	2.20	30	
Benzene	9.2		"	10.0		92.0	85-126	5.80	30	
Bromochloromethane	9.5		"	10.0		94.8	77-128	3.32	30	
Bromodichloromethane	8.3		"	10.0		83.3	79-128	2.84	30	
Bromoform	8.6		"	10.0		86.0	78-133	3.88	30	



Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE80703 - EPA 5030B

LCS Dup (BE80703-BSD1)

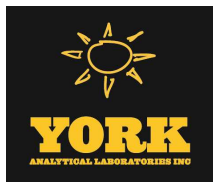
Prepared & Analyzed: 05/14/2018

Bromomethane	7.9		ug/L	10.0		79.0	43-168		0.508	30	
Carbon disulfide	7.9		"	10.0		79.2	68-146		7.06	30	
Carbon tetrachloride	9.5		"	10.0		94.7	77-141		4.44	30	
Chlorobenzene	9.6		"	10.0		95.7	88-120		3.09	30	
Chloroethane	8.7		"	10.0		86.7	65-136		9.87	30	
Chloroform	9.1		"	10.0		91.1	82-128		5.65	30	
Chloromethane	7.7		"	10.0		77.2	43-155		5.05	30	
cis-1,2-Dichloroethylene	9.2		"	10.0		91.7	83-129		5.82	30	
cis-1,3-Dichloropropylene	8.4		"	10.0		84.2	80-131		3.84	30	
Cyclohexane	9.2		"	10.0		92.5	63-149		4.34	30	
Dibromochloromethane	9.0		"	10.0		90.2	80-130		2.41	30	
Dibromomethane	8.3		"	10.0		82.9	72-134		3.90	30	
Dichlorodifluoromethane	9.4		"	10.0		94.4	44-144		5.16	30	
Ethyl Benzene	9.1		"	10.0		90.6	80-131		3.47	30	
Hexachlorobutadiene	9.0		"	10.0		89.9	67-146		5.62	30	
Isopropylbenzene	9.6		"	10.0		96.5	76-140		3.86	30	
Methyl acetate	7.9		"	10.0		78.6	51-139		5.69	30	
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		92.8	76-135		4.12	30	
Methylcyclohexane	8.5		"	10.0		85.1	72-143		4.82	30	
Methylene chloride	9.2		"	10.0		92.1	55-137		4.67	30	
n-Butylbenzene	9.4		"	10.0		94.1	79-132		3.65	30	
n-Propylbenzene	9.6		"	10.0		96.3	78-133		5.06	30	
o-Xylene	9.5		"	10.0		94.7	78-130		3.43	30	
p- & m- Xylenes	19		"	20.0		94.0	77-133		4.63	30	
p-Isopropyltoluene	9.4		"	10.0		94.1	81-136		4.87	30	
sec-Butylbenzene	10		"	10.0		104	79-137		3.60	30	
Styrene	9.1		"	10.0		91.2	67-132		4.19	30	
tert-Butyl alcohol (TBA)	43		"	50.0		86.9	25-162		0.528	30	
tert-Butylbenzene	9.9		"	10.0		98.6	77-138		3.78	30	
Tetrachloroethylene	8.2		"	10.0		82.1	82-131		3.12	30	
Toluene	8.7		"	10.0		86.6	80-127		4.29	30	
trans-1,2-Dichloroethylene	8.4		"	10.0		84.3	80-132		5.76	30	
trans-1,3-Dichloropropylene	8.3		"	10.0		83.4	78-131		3.76	30	
trans-1,4-dichloro-2-butene	8.4		"	10.0		84.3	63-141		2.81	30	
Trichloroethylene	8.4		"	10.0		84.3	82-128		6.65	30	
Trichlorofluoromethane	9.7		"	10.0		97.2	67-139		7.24	30	
Vinyl Chloride	9.2		"	10.0		92.3	58-145		3.93	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.94</i>		<i>"</i>	<i>10.0</i>		<i>99.4</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.94</i>		<i>"</i>	<i>10.0</i>		<i>99.4</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.40</i>		<i>"</i>	<i>10.0</i>		<i>94.0</i>	<i>79-122</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18E0438-01	MW-18	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0438-02	MW-19	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0438-03	BLIND-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18E0438-04	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

- 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.

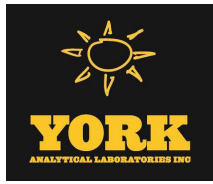
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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.





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YORK
ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

YORK Project No.

18ED0438

Page 1 of 1

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document. This document serves as your written authorization for YORK to proceed with the analyses requested below. Your signature binds you to YORK's Standard Terms & Conditions.

YOUR INFORMATION Company: <u>EloTEX LLC</u> Address: <u>3 Nancy Ct, Stey Wappingers Falls NY 12590</u> Phone: <u>845-897-0003</u> Contact: <u>EVAN STANKUMAS</u> E-mail: <u>estankumas@elo-tex.com</u>		Report To: Company: <u>same</u> Address: _____ Phone: _____ Contact: _____ E-mail: _____		Invoice To: Company: <u>same</u> Address: _____ Phone: _____ Contact: _____ E-mail: _____		YOUR PROJECT NUMBER <u>18-02 C/NEWBURGH</u> YOUR PROJECT NAME <u>Prevan / Newburgh</u>		Turn-Around Time <input type="checkbox"/> RUSH - Next Day <input type="checkbox"/> RUSH - Two Day <input type="checkbox"/> RUSH - Three Day <input checked="" type="checkbox"/> Standard (5-7 Day)
--	--	--	--	---	--	---	--	---

Matrix Codes S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other		Samples From <input checked="" type="checkbox"/> New York <input type="checkbox"/> New Jersey <input type="checkbox"/> Connecticut <input type="checkbox"/> Pennsylvania <input type="checkbox"/> Other		Report / EDD Type (circle selections) CT RCP <u>Summary Report</u> CT RCP DQA/DUE <u>QA Report</u> NJDEP Reduced Deliverables NJDEP SRP HazSite Other:		YORK Reg. Comp. Compared to the following Regulation(s): (please fill in)	
--	--	---	--	--	--	---	--

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW-18	GW	5/8/18 10:35	8260 FULL	3-Yo m HCl
MW-19	GW	5/8/18 11:53		
BLIND-3	GW	5/8/18		

Comments: Samples Relinquished by / Company: <u>CLINC</u> Date/Time: <u>5-9-18 12:00</u>		Preservation: (check all that apply) HCl <input checked="" type="checkbox"/> MeOH _____ HNO3 _____ H2SO4 _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other: <u>YFC</u>		Special Instruction Field Filtered _____ Lab to Filter _____	
Samples Relinquished by / Company: _____ Date/Time: _____		Samples Relinquished by / Company: _____ Date/Time: _____		Samples Relinquished by / Company: _____ Date/Time: _____	
Samples Relinquished by / Company: _____ Date/Time: _____		Samples Relinquished by / Company: _____ Date/Time: _____		Samples Relinquished by / Company: _____ Date/Time: _____	
Samples Relinquished by / Company: _____ Date/Time: _____		Samples Relinquished by / Company: _____ Date/Time: _____		Samples Relinquished by / Company: _____ Date/Time: _____	