February 19, 2020

Ms. Pamela Tames
Superfund Remedial Project Manager
U.S. Environmental Protection Agency, Region II
NY/Caribbean Superfund Branch II
Emergency & Remedial Response Division
290 Broadway, 20th Floor
New York, NY 10007-1688

RE: **MARCH 2019 SEMI-ANNUAL GROUNDWATER QUALITY UPDATE**
Rowe Industries Superfund Site
Groundwater Recovery and Treatment System
Sag Harbor, New York

Dear Ms. Tames:

WSP USA (WSP) (formerly LBG Hydrogeologic & Engineering Services, P.C. (LBGHES)) has completed the 2019 March groundwater quality monitoring event for select monitor and recovery wells at the Former Rowe Industries Superfund Site (the Site) in Sag Harbor, New York (Figures 1, 2 and 3). The purpose of the groundwater sampling is the long-term monitoring of groundwater quality at the Site. The following sections summarize a brief site history, groundwater sampling procedures, groundwater quality results, findings, conclusions and recommendations.

SITE BACKGROUND

The site was historically used to manufacture various electrical components such as copper coils for toy slot cars. Degreasers used in the manufacturing process were disposed of in several drywells and were also stored in drums in the Former Drum Storage Area (FDSA) that eventually leaked to the ground surface. The contamination was detected in nearby drinking water wells during the mid-1980s, and the Suffolk County Department of Health investigation identified the source as the property occupied by Sag Harbor Industries (SHI). The subsequent remedial investigation identified the compounds of concern (COCs) as tetrachloroethylene (PCE), trichloroethylene (TCE) and 1,1,1-trichloroethane (TCA). A groundwater contaminant plume extended northwesterly from the FDSA for over ½-mile toward a brackish estuary named Ligonee Creek and Sag Harbor Cove.

Multiple remedial actions have been conducted at the Site including excavation, soil-vapor extraction/air sparge (SVE/AS), pump and treat and in-situ injection, resulting in the removal of over 700 lbs. of COCs from soil and groundwater.

WSP USA
Formerly
Leggette, Brashears & Graham
4 Research Drive, Suite 204
Shelton, CT 06484

T +1-203-929-8555
wsp.com

In 2000, a focused groundwater pump and treat system (FP&T) was installed to address the most impacted groundwater located on top of a shallow clay lens in the FDSA. The FP&T system includes four focus recovery wells, FRW-1 through 4; each capable of producing water at an approximate pumping rate of 1 to 6 gpm (gallons per minute). Between 2000 and 2002, a full-scale pump and treat (FSP&T) system was constructed with nine downgradient recovery wells (RW-1 thru 9), and piped to a two-story remediation building located on the SHI property. Operation of the FSP&T system commenced in December 2002. Computer modeling indicated that with continuous full operation, 99% of the plume would be removed in 11 years.

On July 13, 2005, the operation of RW-1 was discontinued with permission from the EPA after observing water-quality results below the laboratory reporting limits of 1 ug/l (micrograms per liter) for over two years. Subsequently, the RWs, with the exception of RW-2 which continues to operate today, were shut down after achieving water-quality results below Applicable or Relevant and Appropriate Requirements (ARAR) for over three consecutive years:

- RW-3 was shut down on May 21, 2012;
- RW-4 was shut down on January 1, 2014;
- RW-5 was shut down on May 23, 2012;
- RW-6 was shut down on January 1, 2014;
- RW-7 was shut down on January 1, 2014;
- RW-8 was shut down on April 30, 2012; and
- RW-9 was shut down on April 30, 2012.

In accordance with the approved Limited Shutdown Plan of May 29, 2012 (RW-3, 5, 8 and 9) and October 18, 2013 (RW-4, 6 and 7), each of the RWs that were shut down were monitored monthly for six months followed by quarterly monitoring for one year, and then followed by semi-annual monitoring for the remainder of the operation of the FSP&T system. Rebound of COC concentrations has not been observed at RW-1, RW-2, RW-3 or downgradient from these wells since the shutdown of the RWs. As of January 1, 2014, the groundwater extraction system had reduced the plume to a small area of the FDSA and removed over 229 lbs. of COCs from groundwater. Five recovery wells – FRW-1 thru 4 and RW-2 remain in operation.

Semi-annual groundwater quality samples are collected in March and September, and the annual groundwater quality samples are also collected in September of each year. The FRWs and RW-2 will continue to be monitored monthly for groundwater quality. The current well network and associated sampling frequency are presented in Table 1.

SEMI-ANNUAL GROUNDWATER MONITORING ACTIVITIES

WSP completed semi-annual groundwater sampling on March 19, 2019, which included the collection of groundwater samples from select wells for laboratory analysis and the measurement of static and pumping groundwater elevations.

The March 2019 groundwater quality monitoring event included the collection of samples from 7 monitor wells, RW-2 and the 4 FRWs for a total of 12 wells.

Groundwater Level Measurements

The depth-to-water (DTW) levels were measured with an electronic water-level indicator (e-tape); the measurements at each location being referenced to the top of casing (TOC). The groundwater elevations were calculated by subtracting the DTW measurements from the TOC elevations. The e-tape was decontaminated between use at each well using Alconox (a detergent) and deionized water (DI).

On March 1, 2019, as part of the groundwater sampling event, DTW levels were measured in select monitor and recovery wells during static conditions (with the recovery wells turned off) and these data were used to calculate the groundwater elevations (Table 2 and Figure 4).

A round of DTW levels were measured in select monitor and recovery wells during pumping conditions on March 19, 2019. These data were used to calculate groundwater elevations with RW-2 and FRW-1 thru 4 operating and to estimate the capture zones (Table 2 and Figure54).

Groundwater Sampling

Water samples were collected from FRW-1, 2 and 4 and RW-2 via sample ports, which is the standard procedure during monthly groundwater quality sampling for these wells. All other groundwater samples, including FRW-3, which was inoperable at the time of the sampling event, were collected in accordance with the EPA Region 2 low-flow sampling technique guidelines.

Field parameters were monitored with a calibrated Horiba U52 meter and flow-thru cell for pH, conductivity, turbidity, dissolved oxygen (DO), temperature and oxidation reduction potential (ORP). Copies of the field sampling sheets are included in Appendix I. New tubing was used to collect the sample at each well and, due to the historical contaminants at the Site, spent tubing and personal protective equipment (PPE) were treated as hazardous waste, drummed, labeled and stored onsite for disposal at a later time. Groundwater samples were collected in laboratory-supplied vials, preserved with hydrochloric acid (HCl), stored in dedicated coolers with ice and then delivered to a NYS-certified laboratory using proper chain-of-custody (COC) procedures. The groundwater samples were analyzed for volatile organic compounds (VOCs) using EPA Method 8260. In addition, two monitor wells and 4 FRWs, were analyzed

for geochemical parameters consisting of ethene, ethane, methane, dissolved iron, nitrate, nitrite, sulfate and total organic carbon (TOC) via EPA methods 6010D, 300 and SM 5310C, as applicable.

Quality Assurance/Quality Control

Groundwater samples were collected and submitted with the preservative needed and within the hold time limit under standard chain of custody procedures; with any noted exception provided in the comments for a specific laboratory report provided below. A summary of quality assurance/quality control (QA/QC) for the laboratory reports is provided below.

Laboratory Report 19C0771

The laboratory control sample (LCS) and LCS duplicate had a low bias for PCE. The low bias suggests that PCE may have a higher concentration than the reported value. The remaining QA/QC for this laboratory report did not reveal any other issues and should not impact the conclusions associated with this groundwater sampling event.

Laboratory Report 19C0772

For Quality Assurance/Quality Control (QA/QC) purposes, a blind duplicate sample labeled MW-A was collected from MW-98-05AR. The purpose of the blind duplicate sample is to evaluate the reproducibility of water quality data and to assess variability and accuracy of the laboratory methodology and operating procedures. The groundwater quality results between MW-98-05AR and MW-A were comparable for VOCs in both samples.

The laboratory control sample (LCS) and LCS duplicate had a low bias for PCE. The low bias suggests that PCE may have a higher concentration than the reported value. The remaining QA/QC for this laboratory report did not reveal any other issues and should not impact the conclusions associated with this groundwater sampling event.

Based on the evaluation of the results of the QA/QC analyses, the laboratory data are usable for their intended purpose.

Groundwater Level Measurements and Discussion

The water-table elevation data from the sampling event collected during static and pumping conditions were evaluated and used to construct water-table elevation contour maps (Figures 4 and 5, respectively). As depicted by the contour maps, the interpreted groundwater flow direction at the Site is to the northwest towards Sag Harbor Cove; which is consistent with the flow direction determined during previous monitoring events. When compared to the September 2018 static groundwater elevations, the

March 2019 static groundwater elevations are approximately 0.5 feet and 3.5 feet higher. When compared to the April 2018 static groundwater elevations, the March 2019 static groundwater elevations were found to be approximately 0.5 feet to 1.5 feet higher, indicating a wetter winter and spring.

The groundwater contours were evaluated to assess the capture zones (Figure 5). The capture zone lines for the recovery wells are shown as dashed red lines. Figure 5 indicates that the operation of the FRW-1, 2, 3, and 4 wells continues to capture groundwater from the FDSA and the RW-2 capture zone continues to cover the FDSA.

Semi-Annual Groundwater Quality Results and Discussion

In anticipation of upcoming remedial actions, geochemical parameters were analyzed for select wells on March 19 and June 4, 2019. The results of the analysis are provided in Table 3. Another round of geochemical parameters maybe collected prior to implementation of the upcoming remedial action.

PCE, TCA, TCE and 1,2 cis-dichloroethylene (DCE) concentrations are summarized on Tables 4, 5, 6 and 7, respectively. Laboratory analytical reports are provided in Appendix II.

PCE concentrations in the groundwater samples collected from within the FDSA and above the clay lens - MW98-01A, MW98-05AR, FRW-1, FRW-2, FRW-3 and FRW-4 - ranged from 1.02 to 38.8 ug/L. The PCE concentration measured at MW98-05B, within the FDSA and below the clay lens, was not detected above the laboratory reporting limit. PCE concentrations in wells downgradient of the FDSA, including MW98-04A, MW98-04B, MW-45A and MW-45B, were below ARARs. Figure 6 shows PCE concentrations in groundwater samples collected from the FDSA in March 2019.

Comparing the March 2019 PCE concentrations in the groundwater samples from the monitor wells and FRWs to the 2017 and 2018 events, the PCE concentrations below the clay lens and downgradient of the FDSA are consistent with previous semi-annual sampling event results, and the PCE concentrations at FRW-2, 3 and 4, MW98-01 and MW98-05-AR have been below 50 ug/L (with the exception of FRW-3 (120 ug/L) and MW98-05-AR (73 ug/L) in March 2018). Looking at the past few years of PCE results at FRW-1, there has generally been higher concentrations observed in the spring sampling event (110 ug/L in 2017 and 2018) compared to the fall sampling event (34 ug/L in 2017 and 20.2 ug/L in 2018); however, the March 2019 PCE concentration (13.8 ug/L) is much lower than previous spring sampling events.

TCE and DCE are daughter products of PCE. TCE and DCE concentrations during the March 2019 sampling event were below their respective ARARs. The continued detection of these compounds at low concentrations suggests that limited degradation of PCE is continuing in the FDSA. However, the degradation of the PCE has not been sufficient to reduce the concentrations below the ARAR.

TCA concentrations were not detected above ARARs in samples from any of the wells and, in most cases, the TCA concentrations were below laboratory reporting limits.

CONCLUSIONS

The following conclusions are based on the results of the March 2019 groundwater quality sampling event.

- The concentrations of COCs in the groundwater samples collected from wells located downgradient from the FDSA continue to be below ARARs; rebound of concentrations is not occurring on or downgradient of the Site.

- The concentrations of COCs in the groundwater below the clay lens in the FDSA continue to be below ARARs and generally non-detect, indicating that PCE is not present below the clay lens.

- The COC concentrations continue to persist above ARARs in the samples from wells in the FDSA above the clay lens. Concentrations were generally consistent with recent sampling events with the exception of FRW-1 where concentrations were lower than historic spring sampling results and comparable to the September 2018 results despite elevated groundwater levels. These generally low concentrations confirm that the remaining PCE is present in low-permeability features above the primary clay lens and enter groundwater through matrix diffusion transport.

- The continued detection of TCE and DCE suggests limited degradation of PCE is occurring in the FDSA. However, the degradation of the PCE has not been sufficient to reduce the concentrations below the ARAR.

If you have any questions or require additional information, please do not hesitate to contact Ms. Sandor or Mr. Goldberg directly at (475) 882-1711 or (475) 882-1708, respectively.

Kind regards,

WSP USA

Tunde Komuves-Sándor, CPG, PG
Senior Hydrogeologist

Mark M. Goldberg, P.E.
Senior Environmental Engineer

TKS:nv
Enclosures
H:\NABIS\2019\Semi-Annual rpt\March 2019\Mar 2019 Semi-Annual report_mm.docx

TABLES

TABLE 1

SUMMARY REPORT FOR SEPTEMBER 2018 GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Approved Modifications to the Monitoring Program

		EPA Approved	
FSP&T System	**Location**	**Water Level Measurements**	**VOC Analysis**
RW-1	On SHI property in front of main buiding	semi-annual	discontinue
RW-2	On SHI property in front of the FSP&T remediation building	semi-annual	monthly
RW-3	On SHI property behind the FSP&T remedation builing	semi-annual	annual
RW-4	Sag Harbor Turnpike	semi-annual	annual
RW-5	Carroll Street	semi-annual	discontinue
RW-6	Carroll Street	semi-annual	annual
RW-7	Carroll Street	semi-annual	discontinue
RW-8	Brick Kiln Road	discontinue	discontinue
RW-9	Noyack Road	discontinue	discontinue
Monitor Wells in FDSA			
MW98-01A	FDSA, Hagerman property	--	--
MW98-05AR, 05BR	FDSA, Hagerman property	--	--
MW98-05A, 05B (wells decommissioned)	FDSA, Hagerman property	--	--
Monitor Wells on SHI Property			
MW-45A, 45B	FDSA, on SHI property along fence	--	--
MW98-04, 04B (04B is a new well)	FDSA, on SHI property in driveway on pavement	--	--
MW-58A, 58B (new well cluster)	On SHI property in southern driveway	--	--
MW-59A, 59B (new well cluster)	On SHI property , parking lot north side of building	--	--
MW-28A, 28B	On SHI property in back of main building	--	--
N-32, 32B	On SHI propery, parking lot north side of building	--	--
MW-44A, 44B, 44C	On SHI property near RW-2	semi-annual	annual
MW-46A, 46B	On SHI property in woods	semi-annual	discontinue
MW-47A, 47B	On SHI property in woods	semi-annual	annual
MW-51A (well destroyed)	FDSA, on SHI property along fence	--	--
MW-52A (well destroyed)	FDSA, on SHI property along fence	semi-annual	annual
Monitor Wells at Recharge Basins			
MW-B1	Discharge Basin	semi-annual	annual
MW-B2	Discharge Basin	semi-annual	discontinue
MW-B3	Discharge Basin	semi-annual	discontinue
MW-B4	Discharge Basin	semi-annual	annual
All Monitor Wells Downgradient of SHI Property			
MW-42A, B, C (wells A & B have been distroyed)	Bay Burger (formerly Gingerbread House) parking lot,	semi-annual	annual
MW-43A, B, C	On Carroll Street near RW-6	semi-annual	annual
MW-49A, B, C	On Noyack road near RW-9	discontinue	discontinue
MW-50A, B, C	Morris Cove Road	discontinue	discontinue
MW-53	On Carroll Street between RW-5 and RW-6	semi-annual	annual
MW-54	On Carroll Street between RW-5 and RW-7	semi-annual	annual
MW-55	On Hildreth Road near corner of Brick Kiln Road	discontinue	discontinue
MW-56A, B, C	Brick Kiln Road between Carroll and Hildreth across from RW-8	discontinue	discontinue
MW-57A, B, C (A & B have been distroyed)	Brick Kiln Road south of Carroll Street, near shrubs usually under 6-inches of sand	discontinue	discontinue
Department of Health Services (SCDHS) wells			
N-1A, B	Noyack Road	--	--
N-2A, B	Noyack Road	--	--
N-9	Sag Harbor Turnpike at corner of Hildreth	--	--
N-16	Sag Harbor Turnpike near RW-4	--	--
N-17	Sag Harbor Turnpike near utility pole	--	--
N-37	Fabiano property front yard	--	--
N-38	Fabiano property side yard	--	--
N-39	Fabiano property back yard	--	--
All Monitor Wells Upgradient of the FDSA			
MW-48A, 48B	Lily Pond Road	--	--
All Piezometers		--	--

Notes:
NE = Not Established; N/A = Not Applicable
N/A
-- no comment by EPA interpreted as proposed change being approved by EPA
EPA did not comment on any down gradient SCDHS wells, as such, assume that the proposed discontinuation of monitoring has been approved

TABLE 2

SUMMARY REPORT FOR SEPTEMBER 2018 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

Summary of Groundwater Elevation Measurements for Monitor and Recovery Wells

Well	4/12/18 Pumping DTW (ft btoc) 1/	4/12/18 Pumping GW Elevation (ft msl) 1/	4/18/18 Static DTW (ft btoc) 1/	4/18/18 Static GW Elevation (ft msl) 1/	9/17/18 Static DTW (ft btoc)	9/17/18 Static GW Elevation (ft msl)	10/5/18 Pumping DTW (ft btoc)	10/5/18 Pumping GW Elevation (ft msl)	3/1/19 Static DTW (ft btoc)	3/1/19 Static GW Elevation (ft msl)	3/19/19 Pumping DTW (ft btoc) 2/	3/19/19 Pumping GW Elevation (ft msl) 2/
MW-28A	17.11	8.79	17.00	8.90	18.81	7.09	18.56	7.34	15.77	10.13	15.75	10.15
MW-28B	17.02	8.97	16.91	9.08	18.71	7.28	18.46	7.53	15.70	10.29	15.68	10.31
MW-42B	NM	NM	16.30	6.90	16.12	7.08	NM	NM	13.90	9.30	NM	NM
MW-43A	NM	NM	17.70	5.11	18.41	4.40	NM	NM	16.92	5.89	NM	NM
MW-43B	NM	NM	17.66	5.31	18.66	4.31	NM	NM	17.30	5.67	NM	NM
MW-43C	NM	NM	17.36	5.70	18.69	4.37	NM	NM	17.30	5.76	NM	NM
MW-44A	21.72	7.72	20.85	8.59	NM, inaccessible	NM	NM	NM	NM, inaccessible	NM	NM, inaccessible	NM
MW-44B	21.88	7.66	20.96	8.58	22.70	6.84	22.63	6.91	19.82	9.72	19.90	9.64
MW-44C	21.93	7.83	21.14	8.62	22.87	6.89	22.80	6.96	19.98	9.78	19.96	9.80
MW-45A	18.92	8.52	18.57	8.87	20.40	7.04	20.16	7.28	17.25	10.19	17.20	10.24
MW-45B	18.99	8.64	18.40	9.23	20.23	7.40	20.08	7.55	17.09	10.54	17.02	10.61
MW-47A	6.15	8.83	6.20	8.78	8.01	6.97	7.93	7.05	NM, inaccessible	NM	NM, inaccessible	NM
MW-47B	6.27	8.83	6.35	8.75	8.12	6.98	8.02	7.08	5.20	9.90	5.22	9.88
MW-48A	22.76	8.50	21.48	9.78	29.37	1.89	29.33	1.93	20.05	11.21	20.13	11.13
MW-48B	23.08	9.05	NM	NM	24.28	7.85	24.25	7.88	20.85	11.28	20.92	11.21
MW-53	NM	NM	19.95	4.24	19.62	4.57	NM	NM	18.08	6.11	NM	NM
MW-54	NM	NM	19.52	6.33	21.11	4.74	NM	NM	19.45	6.40	NM	NM
MW-58A	22.47	9.01	22.16	9.32	24.01	7.47	23.67	7.81	20.80	10.68	20.77	10.71
MW-58B	22.45	9.01	22.12	9.34	23.98	7.48	23.62	7.84	20.81	10.65	20.79	10.67
MW-59A	25.57	8.31	25.36	8.52	27.08	6.80	27.02	6.86	NM, inaccessible	NM	23.96	9.92
MW-59B	25.59	8.25	25.32	8.52	27.10	6.74	27.00	6.84	NM, inaccessible	NM	23.99	9.85
MW-98-01A	22.19	8.28	21.04	9.43	22.92	7.55	23.06	7.41	19.67	10.80	19.68	10.79
MW-98-04	19.63	8.37	18.67	9.33	20.53	7.47	20.33	7.67	17.35	10.65	17.31	10.69
MW-98-04B	19.58	8.36	18.60	9.34	20.43	7.51	20.27	7.67	17.30	10.64	17.20	10.74
MW-98-05AR	20.62	8.64	20.39	8.87	22.27	6.99	22.11	7.15	19.05	10.21	19.18	10.08
MW-98-05BR	19.67	10.09	19.96	9.80	21.82	7.94	21.74	8.02	18.65	11.11	18.57	11.19
FRW-1	24.72	6.28	21.60	9.40	23.50	7.50	25.00	6.00	20.30	10.70	20.36	10.64
FRW-2	19.81	5.74	20.19	5.36	22.08	3.47	23.01	2.54	18.86	6.69	15.72	9.83
FRW-3	22.78	6.58	20.00	9.36	21.87	7.49	22.52	6.84	18.65	10.71	18.75	10.61
FRW-4	24.22	4.51	19.51	9.22	21.32	7.41	21.86	6.87	18.11	10.62	19.56	9.17
RW-1	25.83	7.98	25.27	8.54	27.00	6.81	26.69	7.12	24.12	9.69	24.18	9.63
RW-2	25.91	0.19	17.16	8.94	19.20	6.90	25.16	0.94	16.50	9.60	16.73	9.37
RW-3	4.96	8.18	4.42	8.72	6.13	7.01	6.05	7.09	3.27	9.87	3.30	9.84
RW-4	NM	NM	12.20	6.81	NM, flooded	NM	NM	NM	11.43	7.58	NM	NM
RW-5	NM	NM	18.90	6.43	20.17	5.16	NM	NM	18.25	7.08	NM	NM
RW-6	NM	NM	16.31	5.38	17.30	4.39	NM	NM	17.92	3.77	NM	NM
RW-7	NM	NM	13.42	4.93	14.28	4.07	NM	NM	13.16	5.19	NM	NM
MW-B1	28.44	6.56	28.00	7.00	29.83	5.17	29.79	5.21	27.32	7.68	27.26	7.74
MW-B2	30.01	7.65	30.05	7.61	Dry @ 25.2	Dry	Dry @ 25.2	Dry	29.14	8.52	28.98	8.68
MW-B3	25.16	6.46	24.49	7.13	31.78	-0.16	31.36	0.26	22.58	9.04	22.59	9.03
MW-B4	24.29	6.45	23.45	7.29	25.02	5.72	24.82	5.92	23.68	7.06	23.62	7.12
N-32	23.69	8.52	23.71	8.50	25.42	6.79	25.49	6.72	22.58	9.63	22.55	9.66
N-32B	23.75	8.51	23.71	8.55	25.42	6.84	25.49	6.77	22.58	9.68	22.57	9.69
N-37	21.56	10.01	NM	NM	24.83	6.74	24.81	6.76	22.16	9.41	22.19	9.38
N-38	22.39	9.10	NM	NM	NM	NM	25.67	5.82	22.25	9.24	22.30	9.19
N-39	20.07	7.22	NM	NM	NM	NM	23.49	3.80	17.80	9.49	17.83	9.46

1/ The water level measurements for FRW-3 on March 13, 2017 and for MW98-05AR on March 27, 2017 are suspect and considered to be anomalous readings.

2/ FRW-3 was inoperable due to a malfunctioning pump during the sampling event.

DTW Depth to Water

GW Groundwater

ft btoc Feet Below Top of Casing

TABLE 3

FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

UPDATED FDSA CHARACTERIZATION

Groundwater Geochemical Results - 2003-2019

Well ID	Date Sampled	Geochemical parameters												
		Dissolved Oxygen (DO) mg/L	Oxidation Reduction Potential (ORP) (mV)	Total Iron (ug/L)	Dissolved Iron (ug/L)	Ferrous Iron (ug/L)	Sulfate as SO_4 (ug/L)	Sulfide (ug/L)	Nitrate as N (ug/L)	Nitrite as N (ug/L)	TOC (ug/L)	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)
MW98-01A	9/15/2004	5.50	267	676	535	ND<25	10,500	ND<1	NA	NA	1,080	NA	NA	NA
	1/13/2005	0.00	149	266	45.7	ND<25	12,800	ND<1	NA	NA	1,130	NA	NA	NA
	6/19/2018	0.60	-87	2,980	3,050	1,500 [1/]	9,150	530	NA	NA	962 J	ND<2.20	ND<5.00	ND<5.00
	3/19/2019	NM	9	NA	2,800	NA	4,790	NA	1,330	ND<50	1,610	ND<10	ND<10	ND<10
MW98-04	8/17/2005	5.85	261	NA	NA	NA	NA	NA	NA	NA	ND<1,000	NA	NA	NA
	9/8/2005	6.88	225	159	ND<20	ND<25	14,200	ND<1,000	NA	NA	ND<1,000	NA	ND<3.00	ND<4.00
	12/8/2005	4.76	1	5,730	1,750	1,240	NA	NA	NA	Geo	5,700	ND<1.10	NA	NA
	6/19/2018	1.51	77	8,700	687	2,000 [1/]	12,200	ND<500	NA	NA	942 J	ND<2.20	ND<5.00	ND<5.00
MW98-05A	9/15/2004	1.51	155	404	99	ND<25	12,400	ND<1,000	NA	NA	1,660	4.9	ND<3.00	ND<4.00
	1/13/2005	NM	-81	28,000	26,400	12,800	6,300	ND<1,000	NA	NA	53,400	NA	NA	NA
MW-98-05AR	3/19/2019	NM	130	NA	ND<278	NA	12,800	12,800	2,730	ND<50	3,550	25	ND<10	ND<10
MW-98-05BR	6/19/2018	0.87	101	608	120 J	NA	16,000	ND<500	NA	NA	1,740	ND<2.20	ND<5.00	ND<5.00
FRW-1	3/14/2005	7.66	17	8,550	6,420	2,940	9,000	NA	NA	NA	11,000	NA	NA	NA
	5/17/2005	3.30	143	3,480	14,410	276	11,800	NA	NA	NA	3,300	NA	ND<3.00	ND<4.00
	6/16/2005	3.98	31	3,850	2,020	ND<25	11,600	NA	NA	NA	2,100	NA	ND<3.00	ND<4.00
	9/8/2005	7.46	-26	8,940	6,870	934	7,800	NA	NA	NA	5,380	NA	ND<3.00	ND<4.00
	12/8/2005	1.10	-23	28,140	157	49	NA	NA	NA	NA	1,800	NA	NA	NA
	8/21/2012	NA	NA	38,800	25	NA	69,300	NA	206	NA	8,940	NA	NA	NA
	9/4/2012	NA	NA	4,200	ND<10	NA	6,400	NA	210	NA	2,400	NA	NA	NA
	9/19/2012	1.62	-69	11,300	6,980	NA	6,000	NA	ND<500	NA	3,100	NA	NA	NA
	7/2/2018	NA	NA	NA	NA	NA	NA	NA	870	ND<500	NA	NA	NA	NA
	3/19/2019	NM	NA	NA	1,780	NA	14,500	NA	2,480	ND<50	2,550	37	ND<10	ND<10
	6/4/2019	6.44	139	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FRW-2	9/15/2004	6.35	-5	12,600	426	NA	5,100	NA	NA	NA	NA	NA	ND<3.00	ND<4.00
	1/13/2005	6.65	3	117,000	114,000	NA	4,700	NA	NA	NA	NA	NA	5.9	7.1
	3/14/2005	6.71	29	150,000	127,000	NA	3,500	NA	NA	NA	NA	NA	ND<3.00	ND<4.00
	5/17/2005	4.10	96	82,700	62,900	NA	7,500	NA	NA	NA	NA	NA	ND<3.00	ND<4.00
	6/16/2005	3.91	-72	72,900	53,700	NA	3,600	NA	NA	NA	NA	NA	ND<3.00	ND<4.00
	9/8/2005	0.43	-116	77,100	25,900	NA	4,900	NA	NA	NA	NA	NA	ND<3.00	ND<4.00
	12/8/2005	0.73	-10	39,600	16,600	NA	NA	NA	NA	NA	4,900	NA	NA	NA
	8/21/2012	NA	NA	26,300	ND<10	NA	3,550	NA	ND<500	NA	2,160	NA	NA	NA
	9/4/2012	NA	NA	16,500	ND<10	NA	2,740	NA	189	NA	1,560	NA	NA	NA
	9/19/2012	0.60	64	73,900	14	NA	3,460	NA	ND<500	NA	NA	NA	NA	NA
	7/2/2018	NA	NA	NA	NA	NA	NA	NA	82	ND<500	NA	NA	NA	NA
	3/19/2019	NA	NA	NA	1,460	NA	12,900	NA	1,090	ND<50	1,740	35	ND<10	ND<10
	6/4/2019	<0.1	39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 3

FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

UPDATED FDSA CHARACTERIZATION

Groundwater Geochemical Results - 2003-2019

Well ID	Date Sampled	Geochemical parameters												
		Dissolved Oxygen (DO) mg/L	Oxidation Reduction Potential (ORP) (mV)	Total Iron (ug/L)	Dissolved Iron (ug/L)	Ferrous Iron (ug/L)	Sulfate as SO_4 (ug/L)	Sulfide (ug/L)	Nitrate as N (ug/L)	Nitrite as N (ug/L)	TOC (ug/L)	Methane (ug/L)	Ethane (ug/L)	Ethene (ug/L)
FRW-3	9/15/2004	6.22	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND<3.00	ND<4.00
	3/14/2005	4.20	-66	149,000	74,900	NA	6,400	NA	NA	NA	307,000	NA	ND<3.00	ND<4.00
	5/17/2005	0.30	101	74,100	36,700	NA	15,900	NA	NA	NA	68,000	NA	ND<3.00	ND<4.00
	6/16/2005	2.64	-84	55,900	18,300	NA	10,900	NA	NA	NA	39,000	NA	ND<3.00	ND<4.00
	9/8/2005	1.20	-113	128,000	11,000	NA	2,800	NA	NA	NA	144,000	NA	ND<3.00	ND<4.00
	12/8/2005	0.37	-2	35,200	8,720	NA	NA	NA	NA	NA	2,100	NA	NA	NA
	8/21/2012	NA	NA	27,900	ND<10	NA	9,300	NA	ND<500	NA	5,060	NA	NA	NA
	9/4/2012	NA	NA	16,000	ND<10	NA	3,540	NA	210	NA	1,330	NA	NA	NA
	9/19/2012	0.36	-59	24,100	ND<10	NA	4,150	NA	ND<500	NA	1,480	NA	NA	NA
	7/2/2018	NA	NA	NA	NA	NA	NA	NA	1,020	ND<500	NA	NA	NA	NA
	3/19/2019	NM	49	NA	520	NA	12,000	NA	2,620	52.1	1,950	19	ND<10	ND<10
	6/4/2019	1.00	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FRW-4 [2/]	5/17/2005	0.70	124	20,300	5,190	1,900	11,400	ND<1,000	NA	NA	7,300	NA	ND<3.00	ND<4.00
	6/16/2005	2.51	-34	15,500	15,900	2,010	13,200	ND<1,000	NA	NA	9,000	NA	ND<3.00	ND<4.00
	8/17/2005	4.51	-22	NA	NA	NA	NA	NA	NA	NA	3,800	NA	NA	NA
	9/8/2005	0.28	7	15,700	7,530	884	11,200	ND<1,000	NA	NA	6,690	NA	ND<3.00	ND<4.00
	12/8/2005	0.39	10	10,500	696	629	NA	NA	NA	NA	2,100	NA	NA	NA
	3/19/2019	NA	NA	NA	1,390	NA	5,570	NA	423	ND<50	1,340	150	ND<10	ND<10
	6/4/2019	<0.1	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NA Not Analyzed
ND Not Detected
NM Not Measured due to equpment malfunction
J Results are estimated because concentrations were detected above the method detection limit but below the reporting limit.

1 Ferrous Iron Samples were collected on June 20, 2018.
2 Geochemical parameters were not collected for FRW-4 in 2018.

TABLE 4

SUMMARY REPORT FOR MARCH 2019 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF PCE DETECTED IN GROUNDWATER FROM MONITOR AND RECOVERY WELLS, ug/l

Monitor or Recovery Wells	Sample Dates																																					
	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	Jun-13	Jul-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16	Mar-17	Sept-17	Mar-18	Sept-18	Mar-19
MW-B1		ND		ND		ND		ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-B2								ND	ND				ND				ND					ND				ND												
MW-B3								ND	ND				ND				ND					ND				ND												
MW-B4								ND	ND				ND				ND					ND				ND							ND		ND		ND	
FRW-1	**600**	**6.5**	**120**	**15**	**160**	**180**	**68**	**37**	**37**	**52**	**48**	**130**	**130**	**23**	**110**	**1100**	**510**	**360**	**100**	**310**	**77**	**42**	**63**	**74**	**37**	**24**	**120**	**210**	**23**	**15**	**67**	**290**	**25**	**110**	**34**	**110**	**20.2**	**13.4**
FRW-2	**27**	**72**	**24**	**20**	**33**	**150**	**39**	**24**	**25**	**48**	**40**	**59**	**69**	**65**	**53**	**9.1**	**6.8**	4.0	**45**	**210**	**28**	**20**	**39**	**11**	**27**	**19**	**62**	**41**	**9.0**	**14**	**280**	**55**	**26**	**40**	**33**	**48**	**11.9**	**15.2**
FRW-3	**62**	**16**	**270**	**110**	**190**	**110**	**19**	**16**	**12**	**65**	**32**	**34**	**15**	**25**	**46**	**35**	**25**	1.3	**9.9**	**230**	**52**	**27**	**23**	**49**	**32**	**33**	**34**	**110**	**67**	**7.7**	**50**	**62**	**17**	**50**	**15**	**120**	**19.6**	**38.8**
FRW-4	2.3	**18**	**17**	**5.3**	**5.3**	ND	4.5	**22**	**22**	**21**	**14**	**13**	**6.1**	2.3	0.36 J	**15**	**62**	**82**	**25**	**12**	**27**	**19**	4.1	**7.5**	**21**	**28**	2.6	**34**	3.0	1.4	**5.0**	**15**	2.2	4.0	2.7	3.0	4.2	1.02
RW-1	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND						
RW-2		3.4	4.0	1.8	1.0	ND	0.91 J	0.96 J	0.81	0.57	0.53		0.52	0.66	1.3	1.1	0.93	0.74		0.68	0.93	2.0	1.4	0.94	0.26 J	ND	0.56	ND	0.39 J		0.40 J	0.38 J	ND	0.28 J	0.23 J	0.41 J	0.37 J	
RW-3	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J	ND	ND		ND	ND	0.1 J		ND			ND		ND		ND		ND		ND	ND	ND		ND	ND		ND		ND	
RW-4	**6.5**	3.8	3.3	4.5	2.1	ND	0.82 J	1.1 J	1.4	0.13 J	0.90		0.95	0.75	0.96	1.5	0.83	1.1		0.62	0.93	1.4	0.88	0.36 J	2.0	2.0	ND	ND		ND		ND	ND		ND				
RW-5	ND	ND	ND	ND	ND	ND	ND	ND	0.16 J	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND						
RW-6	**19**	**13**	**10**	**11**	**7.0**	4.3	1.9	3.6 J	3.2	3.1	2.6		2.8	2.3	2.4	1.3	1.9	2.0		2.1	1.7	1.9	1.6	0.22 J	0.24 J	0.24 J	0.27 J	ND	0.25 J	0.25 J		0.24 J	ND		ND		0.24 J	
RW-7	**11**	**5.4**	**5.5**	**9.5**	3.6	ND	1.8		2.2	1.0	ND		0.76	0.50	0.64	0.96	0.52	0.67		0.73	0.65	1.1	ND	ND	ND	ND	0.87	0.2 J	ND	ND		ND						
RW-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.11 J	0.11 J		0.1 J	ND	0.13 J		ND			ND		ND		ND		ND		ND		ND		ND						
RW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-28A	ND	**21**	ND	ND	ND	ND	ND	ND	ND					ND	ND		ND					1.2		ND		ND		ND		ND		ND	ND	ND	ND		ND	
MW-28B	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND	ND		ND					ND		ND		ND		ND		ND		ND	ND	ND	ND		ND	
MW-42B		ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND							ND		ND		ND	
MW-43A					ND			ND	2.3				1.2				ND					0.3 J		1.1	0.47 J	ND	ND	ND	0.71	ND			ND		ND		ND	
MW-43B	ND	ND	ND	ND	**12**	2.7	1.0	4.5 J	3.4				ND				0.62					0.48 J		0.39 J	0.34 J	0.29 J	ND	ND	ND	ND			ND		ND		ND	
MW-43C	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND		ND	
MW-44A	ND	ND	ND	1.1	0.66 J	ND	ND	ND	ND				0.11 J				0.26 J					1.3		ND		0.38 J		ND		ND		ND	ND		ND		NS	
MW-44B	ND	ND	ND	ND	3.1	ND	ND	ND	0.16 J				0.3 J				ND					0.76		ND		ND		ND		ND		ND	ND		ND		ND	
MW-44C		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-45A	ND	ND	ND	ND	3.3	ND	ND	ND					0.11 J	ND	ND		ND	ND				ND		ND		ND		ND		0.91		ND	2.1	ND	0.41 J	ND	ND	ND
MW-45B	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND				ND				ND		ND		ND		0.25 J		ND		ND	ND	ND	ND	ND	ND	ND
MW-46A	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				0.23 J					0.2 J		0.2 J		0.31 J		ND		ND								
MW-46B				ND		ND		ND					ND				ND					ND		ND		ND		ND										
MW-47A	3.5		ND	0.81	3.2	ND	ND	0.77 J	0.27 J								0.54					0.23 J		0.4 J		ND		ND				0.35 J	dry		0.26 J		ND	
MW-47B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-48A						ND		ND														ND		ND		ND		ND		ND								
MW-48B		ND		ND		ND		ND	ND				ND									ND		ND		ND		ND		ND		ND						
MW-49A	ND	ND		ND	ND	ND	ND	ND		ND			0.11 J		ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-49B	3.0	4.6	3.6	2.3	1.4	ND	ND	ND	0.60	0.89			0.43 J		0.87		0.51			0.55		0.26 J		0.24 J		ND		ND		ND		0.27 J						
MW-49C	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39 J			ND		0.58		0.14 J			0.22 J		ND		ND		ND		ND		ND		ND						
MW-50A						ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-50B		ND		ND		ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-50C						ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-52A		ND		ND		ND	ND	ND	ND				0.32 J	ND	ND		ND					ND		ND		ND		ND		ND			ND					
MW-53	3.0	ND	ND	ND	0.71 J	0.4 J	ND	ND	0.72				0.31 J				0.35 J					0.32 J		0.37 J	0.42 J	0.3 J	0.3 J	ND	0.22 J	0.25 J			0.26 J		0.28 J		0.33 J	
MW-54	4.6	1.2	1.2	1.5	**5.1**	0.32 J	ND	0.80 J	0.42 J				0.44 J				0.35 J					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND		ND	
MW-55				ND		ND		ND					ND																									
MW-56A		ND		ND		ND		ND					ND				ND					ND				ND												
MW-56B	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND				ND								
MW-56C	ND	ND	ND	ND		ND		ND					ND									ND				ND												
MW-57C		ND		ND		ND							ND									ND				ND												
MW-58A																															ND	ND	ND	ND	0.23 J		ND	
MW-58B																															ND	ND	ND	ND	ND		ND	
MW-59A																															ND	ND	dry	ND	ND		ND	
MW-59B																															0.61	0.35 J	ND	ND	ND		ND	
MW-98-01A	**9.5**	**38**	1.5	1.1	4.7	ND	1.5	4.9	0.55				2.2		1.8		**48**					**35**		3.0		3.8		**24**		4.9		2.6	0.91	**7.3**	3.7	**18**	**6.87**	1.59
MW-98-04	**18**	**20**	ND	**7.6**	0.68 J	ND	0.99 J	ND	0.36 J				**8.8**				**220**	**310**		**36**	2.7	**6.6**	1.6	2.1		**7.1**		**21**		2.3	**8.5**	1.6	2.4	2.7	0.82	**29**	2.63	3.01
MW-98-04B																															ND	ND	ND	ND	ND	ND	ND	ND
MW-98-05A	**66**	**190**	**200**	**9.2**	**65**	ND	**37**	**190**	4.5		ND	**18**	**14**	0.16 J	**56**	**35**	**17**	**8.4**				**110**		**25**		**22**		**23**		**25**									
MW-98-05AR																															**40**	**17**	**19**	**34**	**35**	**73**	**18**	**14.5**
MW-98-05B	1.4		ND	ND	ND	ND	ND	ND					ND			0.59	0.17 J	0.3 J				ND		ND		ND		ND		ND								
MW-98-05BR																															ND	ND	ND	ND	ND	ND	ND	ND

TABLE 4

SUMMARY REPORT FOR MARCH 2019 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF PCE DETECTED IN GROUNDWATER FROM MONITOR AND RECOVERY WELLS, ug/l

Monitor or Recovery Wells	Sample Dates																																				
	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	Jun-13	Jul-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16	Mar-17	Sept-17	Mar-18	Sept-18	Mar-19
N-1A				ND		ND		ND					ND				ND																					
N-1B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND								
N-2A				ND		ND		ND					ND				ND																					
N-2B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND								
N-9						ND		ND					ND																									
N-16	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND								
N-17		ND		ND		ND		ND					ND				ND																					
N-32			ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND	ND	ND	ND	ND	ND		ND	
N-32B																															ND	ND	ND	ND	ND		ND	
N-37	ND	ND	ND	ND	ND		ND		ND				ND				ND					ND		ND		ND		ND		ND								
N-38	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND								
N-39	1.9	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND								

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.

TABLE 5

SUMMARY REPORT FOR MARCH 2019 SEMI-ANNUAL GROUNDWTER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF TCA DETECTED IN GROUNDWATER FROM MONITOR WELLS AND RECOVERY WELL, ug/l

Monitor or Recovery Well	Sample Dates																																				
	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	Jun-13	Jul-13	Sept-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16	Mar-17	Sept-17	Mar-18	Sept-18	Mar-19
MW-B1		ND		ND		ND		ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-B2								ND	ND				ND				ND					ND				ND												
MW-B3								ND	ND				ND				ND					ND				ND												
MW-B4								ND	ND				ND				ND					ND				ND						ND		ND		ND	
FRW-1	13	ND	ND	ND	4.6	**5.7**	0.58 J	ND	0.24 J	1.0	3.1	4.8	**5.8**	3.5	3.9	**17**	**7.1**	4.4	1.8	3.5	0.5	0.58	1.3	0.37 J	0.37 J	ND	1.8	2.6	0.47	ND	0.28 J	2.6	0.20 J	0.82	0.22 J	1.0	ND	ND
FRW-2	ND	1.1	ND	ND	ND	ND	ND	ND	ND	0.13 J	0.37 J	0.43 J	0.51	ND	0.50	0.37 J	0.27 J	0.16 J	0.35	1.7	ND	0.47 J	0.20 J	ND	ND	ND	ND	ND	**ND**	ND	3.3	ND	ND	ND	ND	ND	ND	ND
FRW-3	1.3	ND	ND	ND	ND	1.8	ND	ND	ND	0.30 J	0.39 J	0.35 J	0.29 J	0.36 J	0.43 J	0.47 J	0.71	0.56	1.3	3.6	0.42 J	0.23 J	ND	0.50	ND	0.28 J	0.26 J	1.2 J	0.58	ND	0.23 J	ND	ND	ND	ND	0.65	ND	0.240
FRW-4	ND	ND	ND	ND	ND	ND	ND	ND	0.14 J	0.16 J	0.21 J	0.21 J	ND	ND	ND	0.72	2.4	2.7	0.99	0.22	0.69	0.34 J	ND	ND	ND	0.52	ND	ND	**ND**	ND	ND J	ND	ND	ND	ND	ND	ND	ND
RW-1	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND							
RW-2		2.4	1.9	ND	1.7	ND	ND	ND	0.11 J	0.26 J	0.23 J		0.25 J	0.3 J	0.24 J	0.26 J	0.32 J	0.24 J		0.28 J	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	**ND**		0.22 J	0.32 J	ND	ND	ND	ND	ND	
RW-3	0.8 J	ND	1.3	ND	ND	ND	ND	ND	0.27	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND	ND		ND		ND	
RW-4	3.0	6.0	ND	ND	4.2	1.9	ND	2.7 J	3.6	3.6	2.6		2.2	2.3	2.1	2.0	2.4	2.7		3.8	1.3	ND	0.22 J	ND	ND	ND	ND	ND	**ND**	ND		ND	ND	ND	ND			
RW-5	ND	2.6	2.0	ND	2.6	ND	ND	1.1 J	0.12 J	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND					
RW-6	6.1	6.5	6.5	4.1	4.2	2.8	0.93 J	2.7 J	2.7	2.0	1.6		1.5	1.1	1.0	0.45 J	0.58	0.56		0.63	0.50	0.89	0.78	0.79	1.3	1.1	0.76	ND	0.38	0.32 J		ND	ND		ND		ND	
RW-7	1.1	ND	ND	ND	0.77	0.67 J	ND	--	0.29 J	0.21 J	ND		0.21 J	0.14 J	0.18 J	0.34 J	0.17 J	0.16 J		0.20 J	ND	ND	ND	0.21 J	0.25 J	ND	ND	0.46	0.40	1.0		1.1						
RW-8	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		0.62		ND		ND					
RW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND					
MW-28A	ND	ND	ND	ND	ND	ND	ND	ND	ND					ND	1.0		ND					ND		ND		ND		ND		ND		ND	ND	ND	ND		ND	
MW-28B	ND	ND	ND	ND	ND	ND	ND	ND	ND					0.49 J	0.48 J		0.23 J					ND		ND		ND		ND		ND		ND	ND	ND	ND		ND	
MW-42B		ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND							ND		ND		ND	
MW-43A					ND			**5.3**	**7.6**				**5.7**				0.54					0.87		1.1	0.72	0.47 J	ND	ND	0.43	ND			ND		ND		ND	
MW-43B	ND	ND	ND	ND	3.8	0.69 J	ND	1.1	1.2				ND				1.2					1.6		0.76	0.58	ND	ND	ND	ND	ND			ND		ND		ND	
MW-43C	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	**ND**	ND			ND		ND		ND	
MW-44A	41	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		NS	
MW-44B	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-44C		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-45A	ND	ND	ND	ND	ND	ND	ND	ND					ND	ND	ND		ND	ND				ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND
MW-45B	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND				ND				ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND
MW-46A	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND							
MW-46B				ND		ND		ND					ND				ND					ND		ND		ND		ND										
MW-47A	6.7		ND	ND	ND	ND	ND	ND	0.15 J								0.40					ND		ND		ND		ND				0.24 J	**dry**		ND		ND	
MW-47B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-48A						ND		ND														ND		ND		ND		ND		ND		ND						
MW-48B		ND		ND		ND		ND	ND				ND									ND		ND		ND		ND		ND		ND						
MW-49A	ND	ND		ND	ND	ND	ND	ND		ND			ND		ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-49B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-49C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-50A						ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-50B		ND		ND		ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-50C						ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-52A		ND		ND		ND	ND	ND	ND				ND	ND	ND		ND					ND		ND		ND		ND		ND			ND					
MW-53	16	24	20	5.8	18	**9.9**	2.0	**7.3**	4.2				3.5				0.80					1.6		1.3	1.1	0.70	0.71	ND	0.37	0.33 J			ND		ND		ND	
MW-54	ND	5.1	2.4	3.4	4.1	4.0	0.77 J	2.7	1.2				2.1				1.9					0.37 J		ND	ND	ND	ND	ND	**ND**	ND			ND		ND		ND	
MW-55				ND		ND		ND					ND																									
MW-56A		ND		ND		ND		ND					ND				ND					ND				ND												
MW-56B	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND				ND								
MW-56C	ND	ND	ND	ND		ND		ND					ND									ND				ND												
MW-57C		ND		ND		ND							ND									ND				ND												
MW-58A																														ND	ND	ND	ND	ND		ND		
MW-58B																														ND	ND	ND	ND	ND		ND		
MW-59A																														ND	ND	**dry**	ND	ND		ND		
MW-59B																														ND	ND	ND	ND	ND		ND		
MW-98-01A	ND	1.3	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND		2.0					1.1		ND		ND		0.57		ND		ND	ND	ND	ND	ND	ND	ND
MW-98-04	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				3.8	4.2		0.45 J	ND	ND	ND	ND		ND		ND		ND	ND	ND	ND	ND	ND	0.22 J	ND	3.01
MW-98-04B																														ND	ND	ND	ND	ND	ND	ND	ND
MW-98-05A	4.4	ND	ND	ND	3.4	ND	ND	ND	ND		ND	ND	ND		0.51	0.69	0.54	0.67				1.4		ND		ND		ND		ND								
MW-98-05AR																														0.22 J	ND	ND	ND	ND	0.38 J	0.21 J	ND
MW-98-05B	ND		ND	ND	ND	ND	ND	ND	ND				ND			ND	ND	ND				ND		ND		ND		ND		0.23 J							
MW-98-05BR																														ND	ND	ND	ND	ND	ND	ND	ND

TABLE 5

SUMMARY REPORT FOR MARCH 2019 SEMI-ANNUAL GROUNDWTER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF TCA DETECTED IN GROUNDWATER FROM MONITOR WELLS AND RECOVERY WELL, ug/l

Monitor or Recovery Well	Sample Dates																																						
	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	Jun-13	Jul-13	Sept-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16	Mar-17	Sept-17	Mar-18	Sept-18	Mar-19
N-1A				ND		ND		ND					ND				ND																						
N-1B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND								
N-2A				ND		ND		ND					ND				ND																						
N-2B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND								
N-9						ND		ND					ND																										
N-16	2.8	ND	ND	ND	2.8	4.1	ND	ND	ND				ND				ND					ND		0.33 J		0.51		ND		0.26 J								
N-17		ND		ND		ND		ND					ND				ND																						
N-32			ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND	ND	ND	ND	ND	ND		ND	
N-32B																															ND	ND	ND	ND	ND		ND	
N-37	ND	ND	ND	ND	ND		ND						ND				ND					ND		ND		ND		ND		ND								
N-38	ND	ND	ND	ND	ND	ND	ND	ND					ND				ND					ND		ND		ND		ND		ND								
N-39	ND	ND	ND	ND	ND	ND	ND	ND					ND				ND					ND		ND		ND		ND		ND								

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.

TABLE 6

SUMMARY REPORT FOR MARCH 2019 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF TCE DETECTED IN GROUNDWATER FROM MONITOR WELLS AND RECOVERY WELLS, ug/l

Monitor or Recovery Wells	Sample Dates																																			
	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	Jun-13 (6-12-2013)	Jun-13	Jul-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sept-15	Feb-16	Mar-16	Sep-16	Mar-17	Sept-17	Mar-18	Sept-18	Mar-19
MW-B1		ND		ND		ND		ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-B2								ND	ND				ND				ND					ND				ND											
MW-B3								ND	ND				ND				ND					ND				ND											
MW-B4								ND	ND				ND				ND					ND				ND						ND		ND		ND	
FRW-1	**110**	ND	2.4	ND	1.2	3.1	ND	ND	1.0	3.7	**15**	**38**	**39**	**10**	**29**	**25**	**48**	**42**	3.1	4.8	**6.2**	4.1	4.4	2.1	**6.3**	1.5	3.4	1.3	0.89	0.54	**5.3**	3.8	0.81	3.9	0.93	2.7	1.25	0.770
FRW-2	**10**	**19**	ND	ND	1.7	**18**	ND	1.4 J	1.8	0.83	**8.5**	**9.8**	**13**	**11**	**13**	1.7	1.2	1.4	2.7	**9.8**	3.1	2.2	**6.0**	1.9	0.86	2.8	2.1	2.6	ND	1.1	3.3	1.8	1.2	1.0	0.85	0.68	1.83	0.950
FRW-3	**23**	**6.6**	**10**	**12**	3.2	**12**	2.6	1.5 J	1.1	2.5	**8.2**	**6.6**	4.6	**8.8**	**10**	**7.7**	**7.8**	0.31 J	**6.9**	**18**	**10**	3.1	3.6	**8.0**	**7.9**	**5.6**	2.5	**13**	3.2	2.5	4.1	**7.1**	1.4	**5.7**	1.7	**7.9**	2.99	1.03
FRW-4	**0.99J**	ND	ND	ND	ND	4.5	ND	0.99 J	1.2	1.6	0.86	0.64	0.33 J	ND	0.13 J	1.9	**8.8**	**11**	**7.5**	2.1	4.9	2.7	1.6	1.7	1.7	1.2	0.36 J	2.1	ND	ND	0.68	1.1	0.48 J	0.60	0.42 J	ND	1.02	ND
RW-1	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND					
RW-2		ND	ND	ND	ND	ND	ND	ND	0.16 J	0.21 J	0.21 J		0.25 J	0.34 J	0.66	0.71	0.54	0.45 J		0.51	0.54	1.0	0.79	0.63	0.24 J	ND	0.31 J	ND	ND		0.63	0.67	ND	0.47 J	0.32 J	0.67	0.26 J	
RW-3	2.2	ND	2.5	ND	1.4	0.63 J	ND	0.93 J	0.81	ND	ND		ND	ND	0.18 J		ND			ND		ND		ND		ND		0.21 J		ND		ND	ND		ND		ND	
RW-4	**0.57J**	ND	ND	ND	ND	ND	ND	ND	0.18 J	0.13 J	0.11 J		0.15 J	0.11 J	0.14 J	0.25 J	ND	0.15 J		ND	ND	0.25 J	ND	ND	0.69	ND	ND	ND	2.6	0.90		0.27 J	ND		ND			
RW-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND						
RW-6	ND	ND	ND	ND	ND	ND	ND	ND	0.12 J	0.13 J	0.11 J		0.13 J	0.12 J	0.1 J	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND		ND		ND	
RW-7	ND	ND	ND	ND	ND	ND	ND		0.12 J	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND					
RW-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND						
RW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND						
MW-28A	ND	**13**	ND	ND	ND	ND	ND	ND	ND					ND	ND		0.34 J					2.8		ND		ND		ND		ND		ND	ND	ND	ND		ND	
MW-28B	ND	ND	ND	ND	ND	ND	ND	ND	ND					0.49 J	0.49 J		0.19 J					ND		0.22 J		ND		ND		ND		ND	ND	ND	ND		ND	
MW-42B		ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND						ND		ND		ND	
MW-43A					ND			ND	0.16 J				0.22 J				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND		ND	
MW-43B	ND	ND	ND	ND	2.8	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND		ND	
MW-43C	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND		ND	
MW-44A	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		NS	
MW-44B	ND	ND	ND	ND	ND	ND	ND	ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-44C		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-45A	ND	ND	ND	ND	ND	ND	ND	ND					ND	ND	ND		ND	ND				ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND
MW-45B	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND				ND				ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND
MW-46A	ND	ND	ND	ND	ND	ND	ND	ND	0.24 J				ND				0.15 J					0.27 J		ND		ND		ND		ND								
MW-46B				ND		ND		ND					ND				ND					ND		ND		ND												
MW-47A	**14**		ND	ND	2.8	ND	ND	1.7 J	0.77								1.4					0.44 J		0.76		ND		ND				0.52	**dry**		0.61		0.3 J	
MW-47B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-48A						ND		ND														ND		ND		ND		ND		ND		ND						
MW-48B		ND		ND		ND		ND	ND				ND									ND		ND		ND		ND		ND		ND						
MW-49A	ND	ND		ND	ND	ND	ND	ND		ND			ND		ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-49B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		0.1 J		ND			ND		ND		ND		ND		ND		ND		ND						
MW-49C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND				ND			ND		ND		ND		ND		ND		ND		ND						
MW-50A						ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-50B		ND		ND		ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-50C						ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-52A		ND		ND		ND	ND	ND	ND				ND	ND	ND		ND					ND		ND		ND		ND		ND			ND					
MW-53	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND		ND			ND		ND		ND	
MW-54	ND	ND	ND	ND	2.6	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND		ND			ND		ND		ND	
MW-55				ND		ND		ND					ND																									
MW-56A		ND		ND		ND		ND					ND				ND					ND				ND												
MW-56B	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND				ND								
MW-56C	ND	ND	ND	ND		ND		ND					ND				ND					ND				ND												
MW-57C		ND		ND		ND							ND									ND				ND												
MW-58A																														ND	ND	ND	ND	ND		ND		
MW-58B																														ND	ND	ND	ND	ND		ND		
MW-59A																														ND	ND	**dry**	ND	ND		ND		
MW-59B																														ND	ND	ND	ND	ND		ND		
MW-98-01A	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND		0.11 J		0.85					0.27 J		ND		ND		ND		ND		ND	ND	ND	ND	ND	0.28 J	ND
MW-98-04	ND	ND	ND	ND	ND	ND	ND	ND	ND				0.13 J				**31**	**8.5**		0.85	ND	ND	ND	ND		ND		ND		ND	ND	ND	ND	ND	ND	0.27 J	ND	ND
MW-98-04B																														ND		ND	ND	ND	ND	ND	ND
MW-98-05A	**9.5**	**11**	1.8	1.1	**6.2**	ND	3.1	3.8 J	0.48 J		ND	2.6	2.4	0.33 J	**5.7**	**8.5**	2.0	3.7				**23**		3.9		1.9		**6.1**		ND								
MW-98-05AR																														**0.33 J**	0.53	0.75	ND	0.58	1.1	1.03	0.220
MW-98-05B	ND		ND	ND	ND	ND	ND	ND					0.21 J			0.48 J	0.26 J	0.75				ND		ND		ND		ND		2.0								
MW-98-05BR																														ND	ND	ND	ND	ND	ND	ND	ND

TABLE 6

SUMMARY REPORT FOR MARCH 2019 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF TCE DETECTED IN GROUNDWATER FROM MONITOR WELLS AND RECOVERY WELLS, ug/l

Monitor or Recovery Wells	Sample Dates																																					
	Mar-08	Sep-08	Mar-09	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	Jun-13 (6-12-2013)	Jun-13	Jul-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sept-15	Feb-16	Mar-16	Sep-16	Mar-17	Sept-17	Mar-18	Sept-18	Mar-19
N-1A				ND		ND		ND					ND				ND																					
N-1B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND								
N-2A				ND		ND		ND					ND				ND																					
N-2B		ND		ND		ND		ND					ND				ND					ND		ND		ND		ND		ND								
N-9						ND		ND					ND																									
N-16	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND								
N-17		ND		ND		ND		ND					ND				ND																					
N-32			ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND	ND	ND	ND	ND	ND		ND	
N-32B																															ND	ND	ND	ND	ND		ND	
N-37	ND	ND	ND	ND	ND		ND		ND				ND				ND					ND		ND		ND		ND		ND								
N-38	ND	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND								
N-39	ND	ND	ND	ND	ND	ND	ND	ND					ND				0.12 J					ND		ND		0.49 J		0.47 J		0.77								

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.

TABLE 7

SUMMARY REPORT FOR MARCH 2019 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF cisDCE DETECTED IN GROUNDWATER FROM MONITOR AND RECOVERY WELLS, ug/l

Monitor or Recovery Wells	Sample Dates																																		
	Mar-08	Sep-08	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	Jun-13	Jul-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16	Mar-17	Sept-17	Mar-18	Sept-18	Mar-19
MW-B1		ND	ND		ND		ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-B2							ND	ND				ND				ND					ND				ND												
MW-B3							ND	ND				ND				ND					ND				ND												
MW-B4								ND				ND				ND					ND				ND						ND		ND		ND	
FRW-1	**43**	ND	ND	**8.3**	**79**	ND	ND	3.0	**10**	**150**	**130**	**170**	**190**	**60**	**15**	**110**	**290**	**6.1**	**8.7**	**27**	**110**	**11**	**8.6**	4.5	**12**	**5.8**	1.2	1.9	1.6	**5.9**	**7.9**	1.6	**6.3**	2.9	1.8	2.43	0.450
FRW-2	**73**	**110**	0.62	**14**	**34**	2.9	1.4	4.6	0.32 J	**87**	**68**	**42**	**25**	**51**	**70**	**69**	**47**	**22**	**14**	**17**	**160**	**16**	**15**	0.34 J	**15**	0.77	**13**	ND	0.35 J	**5.2**	1.2	0.39 J	0.52	0.59	ND	**14.5**	1.54
FRW-3	**160**	**8.4**	**50**	**19**	**62**	**17**	2.4	4.0	2.9	**41**	**34**	**45**	**37**	**25**	**69**	**120**	**370**	**46**	**70**	**35**	**21**	**10**	**37**	**13**	**27**	2.0	**81**	**5.1**	**10**	**23**	**29**	2.2	**20**	**6.1**	**18**	**19.8**	3.93
FRW-4	ND	ND	ND	ND	0.52	ND	3.1	**6.8**	2.4	**19**	**21**	**25**	**14**	1.1	2.4	**43**	**39**	**9.3**	3.0	4.9	4.1	**7.5**	1.2	4.3	**11**	2.9	3.1	ND	0.61	4.4	**5.4**	3.8	2.2	0.51	0.47 J	1.38	0.490
RW-1	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND						
RW-2		ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	0.70	0.57	0.81	0.59		0.39 J	0.61	2.1	1.8	0.70	0.54	0.51	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	
RW-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND	ND		ND		ND	
RW-4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.28 J	1.7		ND	ND		ND			
RW-5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND						
RW-6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	0.28 J	0.54	ND	ND	ND	ND	ND		ND	ND		ND		ND	
RW-7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND						
RW-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND						
RW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-28A	ND	**24**	ND	ND	ND	ND	ND	ND					ND	ND		1.7					**34**		ND		ND		ND		ND		ND	ND	0.73	ND		ND	
MW-28B	ND	ND	ND	ND	ND	ND	ND	ND					ND	ND		ND					ND		ND		ND		ND		ND		ND	ND	ND	ND		ND	
MW-42B		ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND							ND		ND		ND	
MW-43A				ND			ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND		ND	
MW-43B	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND		ND	
MW-43C	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND		ND	
MW-44A	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		NS	
MW-44B	ND	ND	ND		ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-44C		ND	ND		ND		ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-45A	ND	ND	ND	ND	ND	ND	ND					ND	ND	ND		ND	ND				ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND
MW-45B	ND	ND	ND	ND	ND	ND	ND	ND				ND	ND	ND			ND				ND		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND
MW-46A	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND								
MW-46B			ND		ND		ND					ND				ND					ND		ND		ND		ND										
MW-47A	ND		ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND				ND	**dry**		0.4 J		ND	
MW-47B		ND	ND		ND		ND					ND				ND					ND		ND		ND		ND		ND		ND	ND		ND		ND	
MW-48A					ND		ND														ND		ND		ND		ND		ND		ND						
MW-48B		ND	ND		ND		ND	ND				ND									ND		ND		ND		ND		ND		ND						
MW-49A	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-49B	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-49C	ND	ND	ND	ND	ND	ND	ND	ND	ND			ND		ND		ND			ND		ND		ND		ND		ND		ND		ND						
MW-50A					ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-50B		ND	ND		ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-50C					ND		ND					ND									ND		ND		ND		ND		ND		ND						
MW-52A		ND	ND		ND	ND	ND	ND				ND	ND	ND		ND					ND		ND		ND		ND		ND			ND					
MW-53	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND			
MW-54	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND	ND	ND	ND	ND	ND	ND			ND		ND			
MW-55			ND		ND		ND					ND																									
MW-56A		ND	ND		ND		ND					ND				ND					ND				ND												
MW-56B		ND	ND	ND	ND	ND	ND	ND				ND				ND					ND				ND				ND								
MW-56C	ND	ND	ND	ND	ND		ND					ND				ND					ND				ND												
MW-57A			ND																																		
MW-57B		ND	ND		ND																																
MW-57C		ND	ND		ND							ND									ND				ND												
MW-58A																															ND	ND	ND	ND		ND	
MW-58B																															ND	ND	ND	ND		ND	
MW-59A																															ND	**dry**	ND	ND		ND	
MW-59B																															ND	ND	ND	ND		ND	

TABLE 7

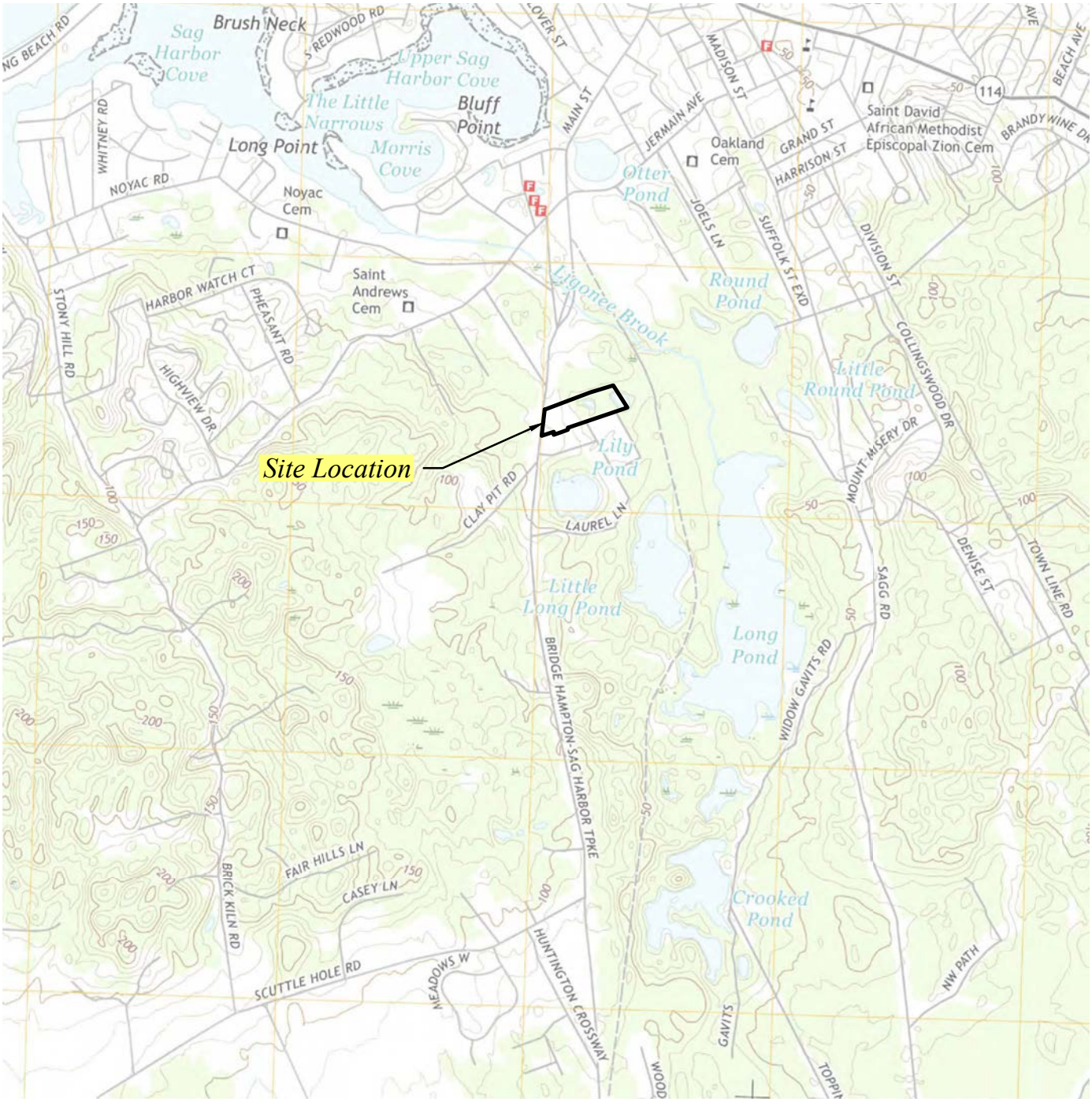
SUMMARY REPORT FOR MARCH 2019 SEMI-ANNUAL GROUNDWATER SAMPLING
FORMER ROWE INDUSTRIES SUPERFUND SITE
1668 SAG HARBOR TURNPIKE
SAG HARBOR, NEW YORK

CURRENT AND HISTORIC CONCENTRATIONS OF cisDCE DETECTED IN GROUNDWATER FROM MONITOR AND RECOVERY WELLS, ug/l

Monitor or Recovery Wells	Sample Dates																																		
	Mar-08	Sep-08	Sep-09	Mar-10	Sep-10	Mar-11	Sep-11	Mar-12	Jun-12	Aug-12	Sep 4, 2012	Sep-12	Oct-12	Dec-12	Feb-13	Mar-13	Apr-13	June-13 (6-12-2013)	Jun-13	Jul-13	Sep-13	Nov-13	Mar-14	Jun-14	Sept-14	Dec-14	Mar-15	Jun-15	Sep-15	Feb-16	Mar-16	Sep-16	Mar-17	Sept-17	Mar-18	Sept-18	Mar-19
MW-98-01A	ND	ND	ND	ND	ND	ND	ND	ND				ND		0.11 J		0.57					0.79		ND		ND		ND		ND		ND	ND	ND	ND	ND	ND	ND
MW-98-04	ND	3.2	ND	ND	ND	ND	ND	ND				ND				**68**	**7.0**		1.1	ND	ND	ND	ND		ND		ND		ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-98-04B																														ND	ND	ND	ND	ND	ND	ND	ND
MW-98-05A	**59**	**63**	3.8	**9.8**	**41**	4.8	1.0	0.4 J		ND	**5.0**	4.8	0.15 J	**11**	**56**	**59**	**160**				**120**		**32**		2.0		**28**		ND								
MW-98-05AR																													ND	0.32 J	ND	ND	ND	1.2	**5.09**	ND
MW-98-05B	ND		ND	ND	ND	ND	ND	0.19 J				0.13 J			0.42 J	0.59	0.49 J				0.43 J		ND		ND		ND		1.1	ND	ND						
MW-98-05BR																														ND	ND	ND	ND	ND	ND	ND
N-1A			ND		ND		ND					ND				ND																				
N-1B		ND	ND		ND		ND					ND				ND					ND		ND		ND		ND		ND							
N-2A			ND		ND		ND					ND				ND																				
N-2B		ND	ND		ND		ND					ND				ND					ND		ND		ND		ND		ND							
N-9					ND		ND					ND																								
N-16	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND							
N-17		ND	ND		ND		ND					ND				ND																				
N-32			ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND	ND	ND	ND	ND	ND		ND	
N-32B																														ND	ND	ND	ND	ND		ND	
N-37	ND		ND	ND		ND		ND				ND				ND					ND		ND		ND		ND		ND							
N-38	ND	ND	ND	ND	ND	ND	ND	ND				ND				ND					ND		ND		ND		ND		ND							
N-39	ND	ND	ND	ND	ND	ND	ND	ND				0.13 J				ND					ND		ND		ND		ND		ND							

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.

FIGURES



SOURCE: USGS TOPOGRAPHIC QUADRANGLE SAG HARBOR, NEW YORK (2016).

QUADRANGLE LOCATION

0 2000

SCALE IN FEET

GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

SITE LOCATION MAP

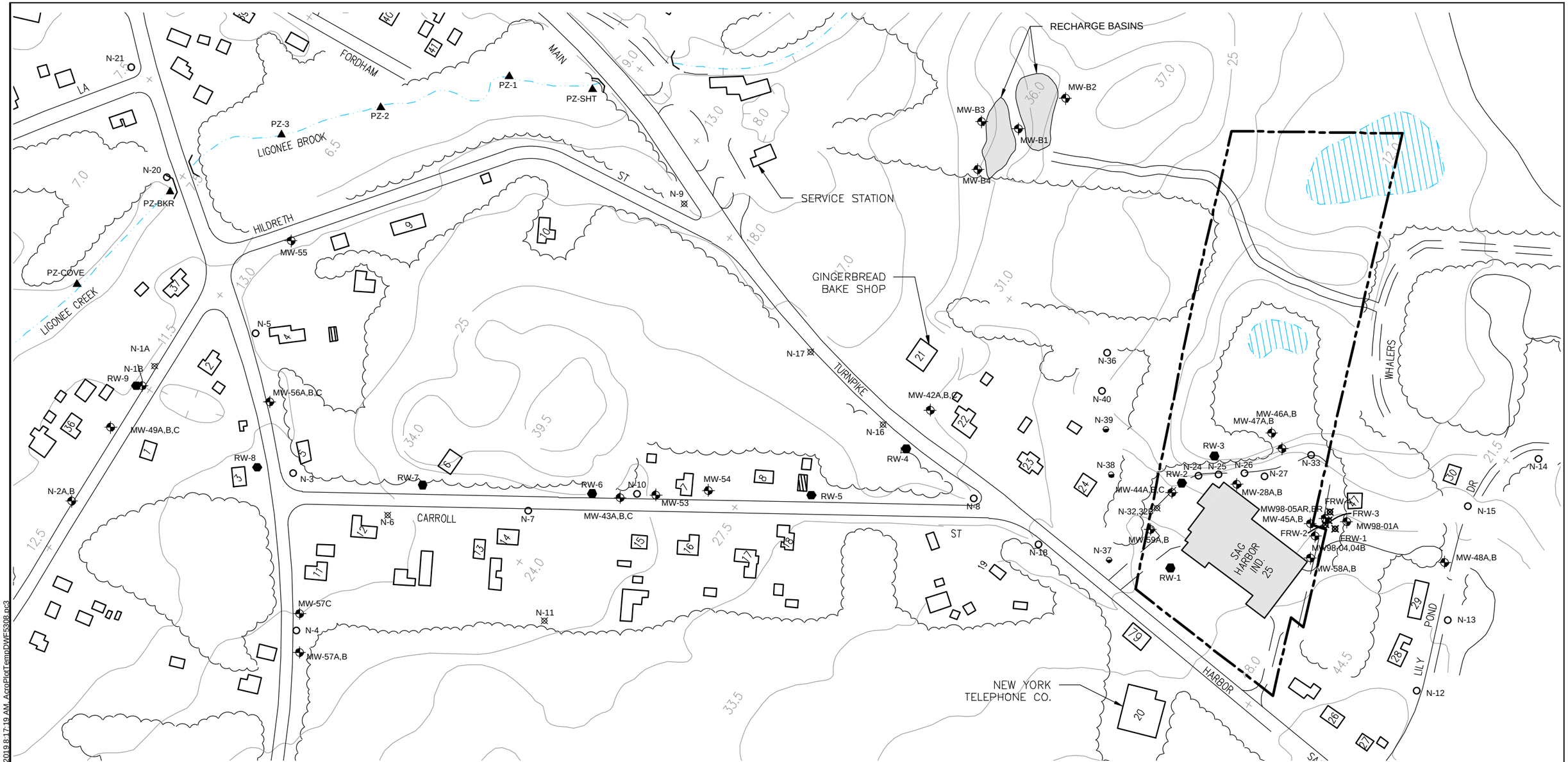
DATE	REVISED

PREPARED BY:

WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN:	RAC	CHECKED:	MG	DATE:	06/20/19	FIGURE:	1

O:\DWG\Nabsag\F1_SLM.dwg, Layout1, 6/20/2019 8:16:50 AM, AcroPlotTempPDF5308.pc3



LEGEND

- PROPERTY BOUNDARY
- N-36 — LOCATED SCDHS WELL
- N-37 — REPAIRED SCDHS WELL
- N-13 — UNLOCATED SCDHS WELL
- PROPERTY OWNERS WELL
- PZ-2 — PIEZOMETER
- MW-43A — GROUNDWATER MONITOR WELL
- RW-1 — RECOVERY WELL
- FRW-1 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)

NOTE:
1. MW98 MONITOR WELL LOCATIONS ARE APPROXIMATE.

0 200
SCALE IN FEET

GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

AREA MAP

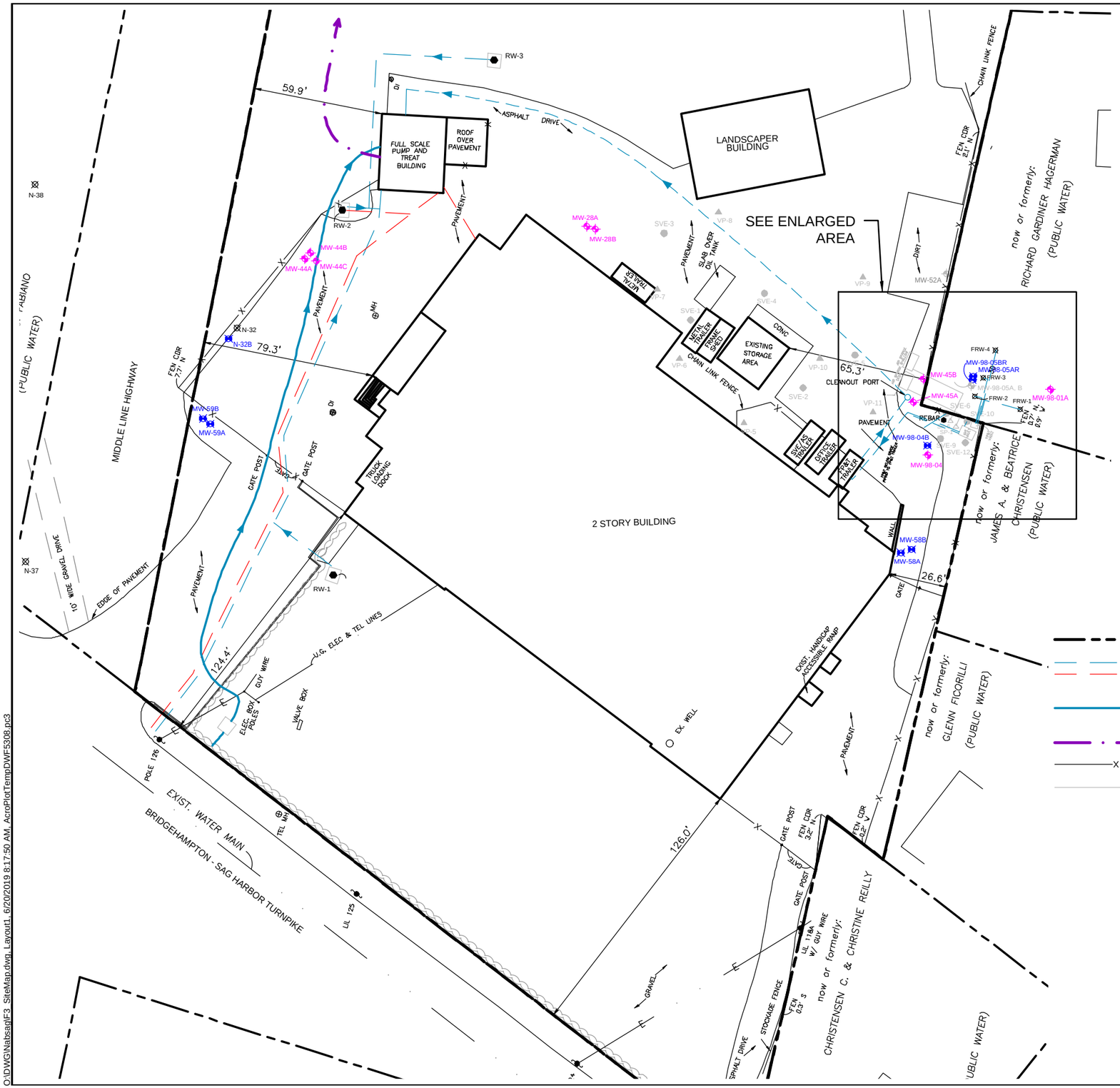
DATE	REVISED

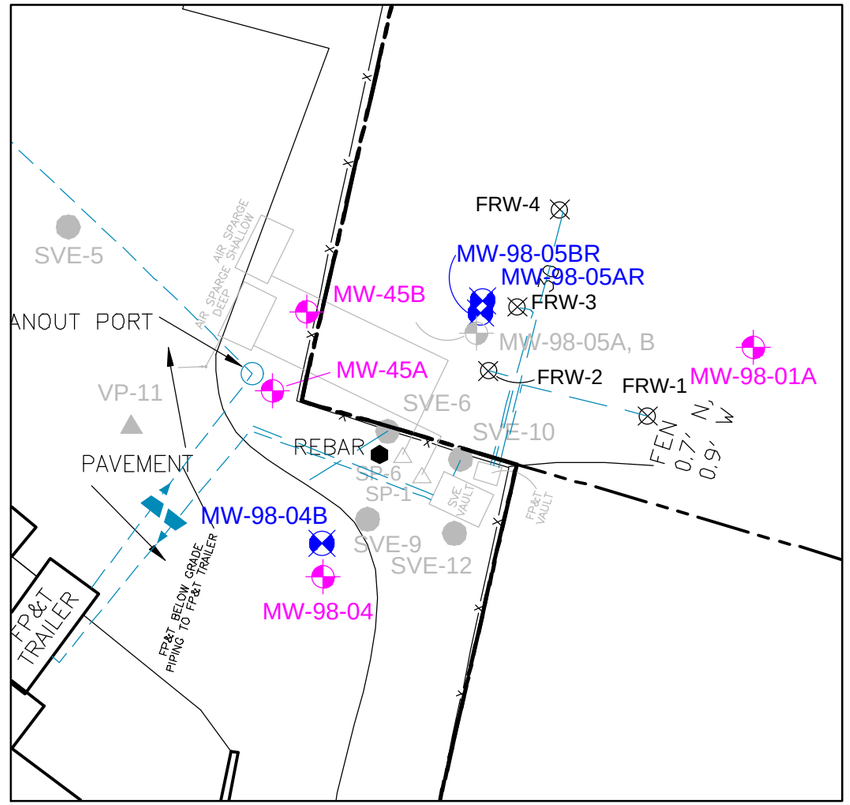
PREPARED BY:

WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN:	RAC	CHECKED:	MC	DATE:	05/15/18	FIGURE:	2

Q:\DWG\Nabsa\F2_AreaMap(Feb2018).dwg, Layout1, 6/20/2019 8:17:19 AM, AcroPlotTemp.DWF5308.pc3





FORMER DRUM STORAGE AREA
SCALE: 1" = 20'

LEGEND

- PROPERTY BOUNDARY
- APPROXIMATE LOCATION OF BELOW GRADE PIPING (DASHED BLUE) AND ELECTRICAL CONDUIT (DASHED RED)
- APPROXIMATE LOCATION OF POTABLE WATER PIPE
- APPROXIMATE LOCATION OF DISCHARGE PIPE
- CHAIN LINK FENCE
- APPROXIMATE LOCATION OF DECOMMISSIONED BELOW GRADE AIR SPARGE PIPING

- MW-98-05B — GROUNDWATER MONITOR WELL LOCATION
- N-32 — LOCATED SCDHS WELL
- FRW-3 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
- VP-1 — DECOMMISSIONED VAPOR MONITORING POINT LOCATION
- MW-98-05A, B, SP-10, SVE-9, SP-5 — WELLS THAT WERE DESTROYED OR DECOMMISSIONED IN DECEMBER 2004, FEBRUARY 2012 AND DECEMBER 2015
- RW-3 — FULL SCALE PUMP AND TREAT RECOVERY WELL
- MW-59A — DECEMBER 2015 MONITOR WELL LOCATION

0 50
SCALE IN FEET

GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

SITE MAP

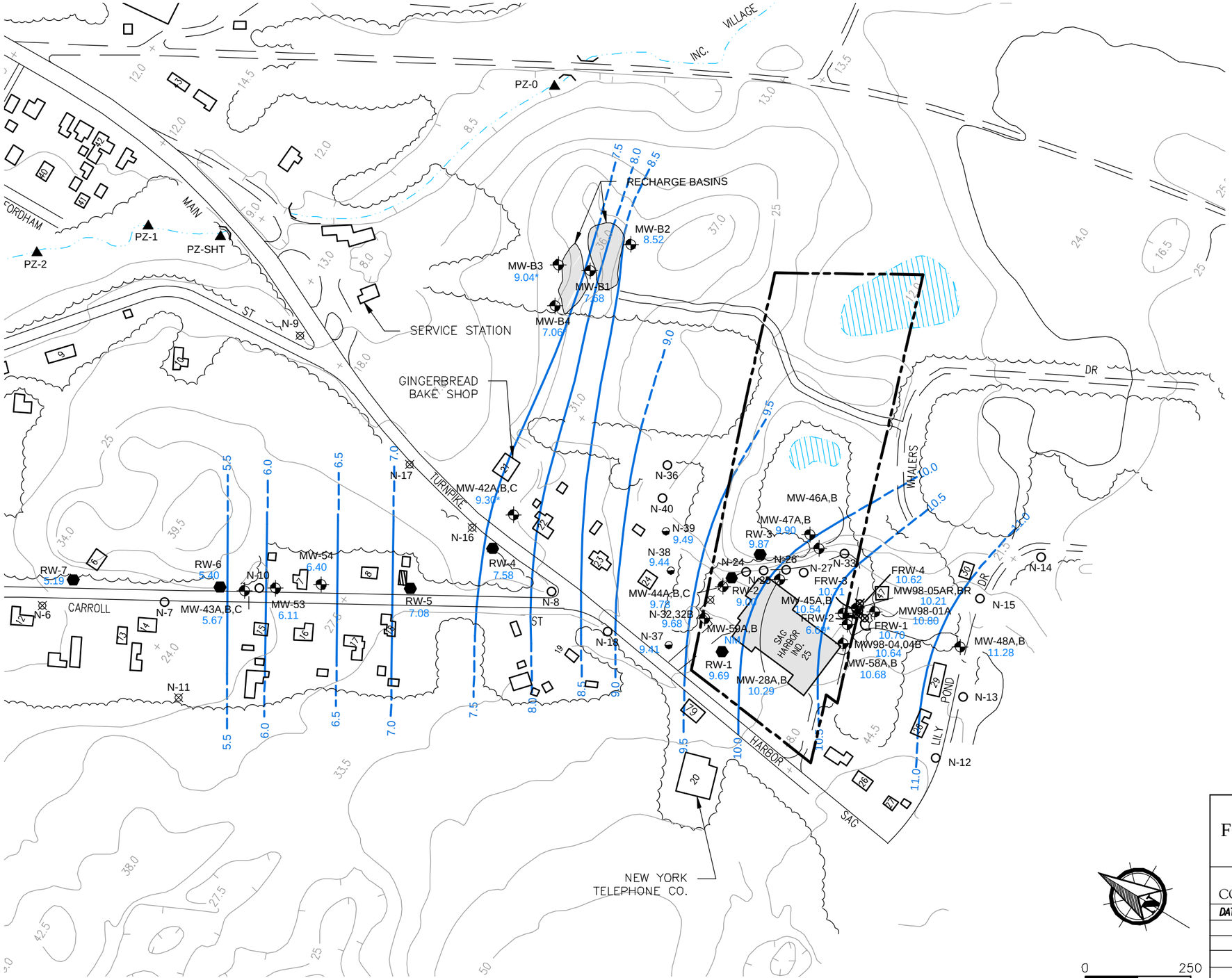
DATE	REVISED

PREPARED BY:

WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN:	RAC	CHECKED:	MC	DATE:	05/15/18	FIGURE:	3

O:\DWG\Natsag\F3_SiteMap.dwg, Layout1, 6/20/2019 8:17:50 AM, AcroPlotTempDWF5308.pc3



LEGEND

- PROPERTY BOUNDARY
- N-36 — LOCATED SCDHS WELL
- N-37 — REPAIRED SCDHS WELL
- N-13 — UNLOCATED SCDHS WELL
- 21 — PROPERTY OWNERS WELL
- PZ-2 ▲ — PIEZOMETER
- MW-43A — GROUNDWATER MONITOR WELL
- RW-1 — RECOVERY WELL
- FRW-1 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
- 11.0 — GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
- 10.70 — GROUNDWATER ELEVATION IN FEET
- * — ANOMALOUS READING NOT USED FOR CONTOURING

GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

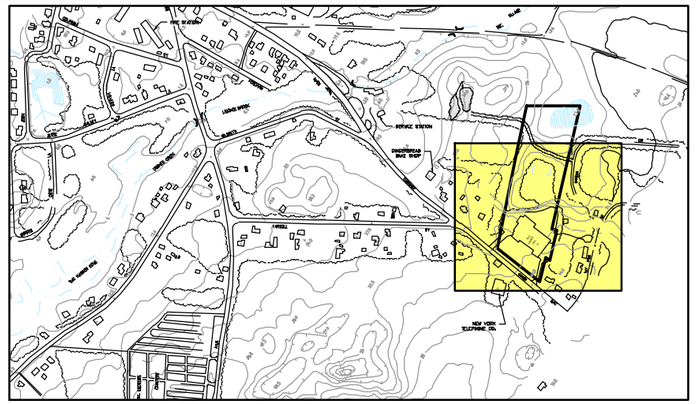
MARCH 2019 GROUNDWATER ELEVATION CONTOUR MAP CONDITIONS WITHOUT FP&T AND FSP&T SYSTEMS OPERATING

DATE	REVISED

PREPARED BY:

WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN:	RAC	CHECKED:	TS	DATE:	05/30/19	FIGURE:	4



KEY MAP
SCALE: 1' = 1000'

N-36
N-40
N-39 9.46
N-38 9.19
N-32 9.66
N-32B 9.69
MW-59A,B 9.85
N-37 9.38
N-18
RW-1 9.63
RW-2 9.37
RW-3 9.84
MW-44A,B.C 9.80
N-24
N-25
N-26
N-27
N-33
MW-47A,B 9.88
MW-46A,B
MW-28A,B 10.31
FRW-3 10.61*
FRW-4 9.17
MW98-05AR,BR 10.08
MW98-01A 10.79
FRW-1 10.64
FRW-2 9.83
MW-45A,B 10.24
MW98-04,04B 10.69
MW58A,B 10.67
MW-48A,B 11.21
N-15
N-13
N-12
SAG HARBOR IND. 25
WHALERS
DR
LILY POND
HARBOR
10.0
11.0
9.5
21.5
48.0
44.5
23
24
30
47
29
28
79
20
26

LEGEND

N-36	LOCATED SCDHS WELL
N-37	REPAIRED SCDHS WELL
N-13	UNLOCATED SCDHS WELL
2	PROPERTY OWNERS WELL
MW-44A	GROUNDWATER MONITOR WELL
RW-1	RECOVERY WELL
FRW-2	FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
7.0	GROUNDWATER ELEVATION CONTOUR LINE (DASHED WHERE INFERRED)
	APPROXIMATE CAPTURE ZONE
9.83	GROUNDWATER ELEVATION IN FEET
*	ANOMALOUS READING NOT USED FOR CONTOURING

NOTES:
1. MW98 MONITOR WELL LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER ELEVATIONS WITH RW-2 AND FRWs OPERATING.
3. FRW-3 WAS NOT OPERATIONAL DURING THE MONITORING EVENT.

0 100
SCALE IN FEET

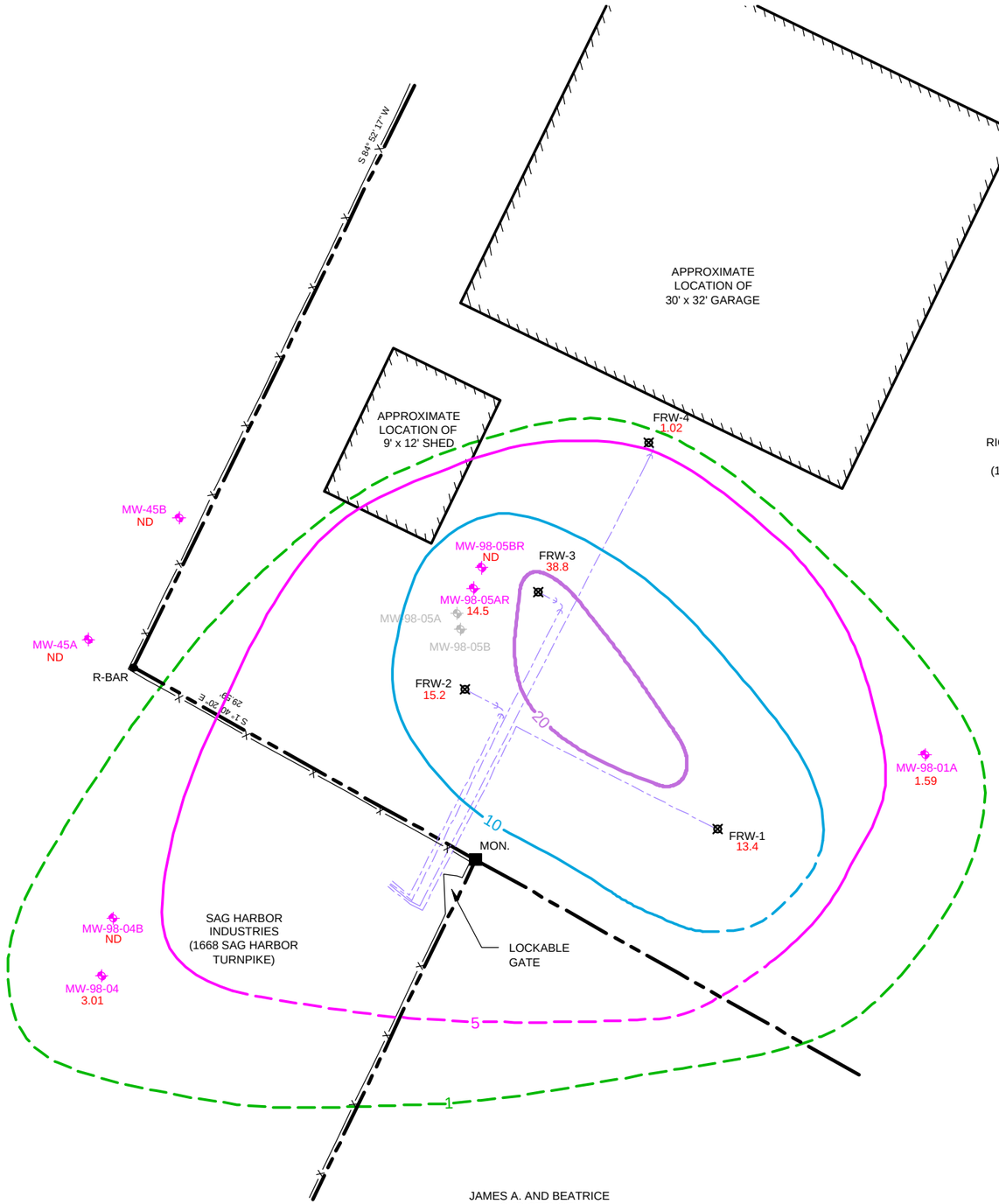
GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

MARCH 2019 GROUNDWATER ELEVATION CONTOUR MAP AND CAPTURE ZONE WITH FP&T AND FSP&T SYSTEMS OPERATING

DATE	REVISED

PREPARED BY:
WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN:	RAC	CHECKED:	TS	DATE:	05/31/19	FIGURE:	5



LEGEND

- PROPERTY BOUNDARY
- CHAIN LINK FENCE
- APPROXIMATE LOCATION OF FOCUSED REMEDIATION GROUNDWATER RECOVERY PIPING
- FRW-3 — FOCUSED REMEDIATION RECOVERY WELL (APPROXIMATE LOCATION)
- MW-98-04 — GROUNDWATER MONITOR WELL
- 3.01 — PCE CONCENTRATION (ppb)
- ND — NOT DETECTED
- MW-98-05B — DAMAGED MONITOR WELL DECOMMISSIONED IN DECEMBER 2015
- 1 — PCE CONCENTRATION CONTOURS (ppb) (DASHED WHERE INFERRED)

NOTES:

1. PCE CONCENTRATION CONTOURS WERE PLOTTED FROM GROUNDWATER SAMPLES COLLECTED AT WELLS THAT HAVE SHALLOW SCREEN INTERVALS THAT SPAN THE WATER TABLE. MONITOR WELLS MW98-04B, MW98-05BR AND MW-45B ARE SCREENED DEEPER THAN THE OTHER MONITOR WELLS SHOWN ON THIS FIGURE AND DO NOT HAVE SCREENS THAT SPAN THE WATER TABLE; THEREFORE, PCE CONCENTRATIONS SHOWN AT THESE WELLS ARE NOT USED FOR CONTOURING.
2. 'R' IN WELL DESIGNATION INDICATES REPLACEMENT WELL.

0 10
SCALE IN FEET

GROUNDWATER REMEDIAL ACTION
FORMER ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

MARCH 2019 PCE PLUME MAP

DATE	REVISED

PREPARED BY:

WSP USA
4 Research Drive
Suite 204
Shelton, Connecticut 06484
(203) 929-8555

DRAWN:	RAC	CHECKED:	TS	DATE:	05/31/19	FIGURE:	6

O:\DWG\Nabsag\2019\F6_PCE_Mar2019.dwg, Layout1, 6/20/2019 8:19:34 AM, AcroPlotTempDWF5308.pc3

APPENDIX I

Low-Flow Sampling Logs

WSP USA

LOW-FLOW SAMPLING LOG

PAGE 1 OF 1

SAMPLE DATE: 3/19

TOTAL # WELLS: 8

Client Name: Rowe Industries
Project Location: Sag Harbor, NY
Sampler(s): PS

Sample Pump: Geopump (peristaltic)
Tubing Type: LDPE - Silicone
Monitoring Equipment: Horiba

Well I.D. MW-45A
Well Diameter (inches): 2
Total Depth (ft btoc): ~28.9
Depth to Water (ft btoc): 17.20

Screen Setting (ft btoc): 13.9 to 28.9
Tubing Intake (ft btoc): ~24
Comments: Pump on at 1438
Full at 1441

Well Condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters: pH	Conductivity mS/cm	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1441	17.23	150	5.81	0.262	27.0	0.00	10.56	63
1444	17.23	150	5.73	0.267	22.1	0.00	10.71	75
1447	17.23	150	5.62	0.266	20.4	0.00	10.92	77
1450	17.23	150	5.54	0.263	15.5	0.00	11.01	70
1453	17.23	150	5.46	0.263	15.8	0.00	11.03	72
1456	17.23	150	5.42	0.264	7.8	0.00	11.03	72
1459	17.23	150	5.39	0.264	3.1	0.00	11.03	73

Total Volume of Groundwater Purged (gal): ~1.5

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	Stabilization of Parameters: pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1453	1456	〃	Y	-0.04	+0.1%	<5	0.00	〃	〃
1456	1459	↓	↓	-0.03	〃	↓	↓	↓	+1
1453	1459	↓	↓	-0.07	+0.1%	↓	↓	↓	+1
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		Y	—	Y	Y	Y	Y	Y	Y

Sample Time: 1500

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

WSP USA

LOW-FLOW SAMPLING LOG

PAGE 1 OF 1

SAMPLE DATE: 3/19

TOTAL # WELLS: 8

Client Name: Rowe Industries
Project Location: Sag Harbor, NY
Sampler(s): PS

Sample Pump: Geopump (peristaltic)
Tubing Type: LDPE - Silicone
Monitoring Equipment: Horiba

Well I.D. MW-45 B
Well Diameter (inches): 2
Total Depth (ft btoc): ~50
Depth to Water (ft btoc): 17.02

Screen Setting (ft btoc): 40.5 to 50.5
Tubing Intake (ft btoc): ~45
Comments: Pump on at 1512
Full at 1515

Well Condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters: pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1515	17.04	150	5.90	0.259	7.5	0.00	10.71	52
1518	17.04	150	5.77	0.264	7.1	0.000	11.07	73
1521	17.04	150	5.70	0.267	4.6	0.00	11.11	79
1524	17.04	150	5.64	0.267	3.3	0.00	11.15	85
1527	17.04	150	5.64	0.270	3.9	0.00	11.12	87
1530	17.04	150	5.56	0.270	2.8	0.00	11.17	88

Total Volume of Groundwater Purged (gal): ~1.5

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	Stabilization of Parameters (stabilization achieved for three consecutive measurements): pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1524	1527	+0	Y	+0	+0.02%	<5	0.00	-0.2%	-4
1527	1530	↓		-0.05	+0	↓	↓	+0.4%	-1
1524	1530	↓	↓	-0.05	+0.2%			+0.2%	+3
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		Y	/	Y	Y	Y	Y	Y	Y

Sample Time: 1531

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

WSP USA

LOW-FLOW SAMPLING LOG

PAGE 1 OF 1

SAMPLE DATE: 3/15

TOTAL # WELLS: 8

Client Name: Rowe Industries
Project Location: Sag Harbor, NY
Sampler(s): PS

Sample Pump: Geopump (peristaltic)
Tubing Type: LDPE - Silicone
Monitoring Equipment: Horiba

Well I.D. MW-98-04A
Well Diameter (inches): 2
Total Depth (ft btoc): ~24
Depth to Water (ft btoc): 17.31

Screen Setting (ft btoc): 16.5 to 26.5
Tubing Intake (ft btoc): ~21
Comments: Pump on at 1613

Well Condition:

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters: pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1617	17.34	150	5.59	0.366	47.4	0.07	10.51	137
1620	17.34	150	5.45	0.373	45.6	0.00	10.51	149
1623	17.34	150	5.43	0.370	36.1	0.00	10.50	153
1626	17.34	150	5.31	0.362	25.0	0.00	10.48	156
1629	17.34	150	5.33	0.360	12.6	0.00	10.45	158
1632	17.34	150	5.30	0.355	4.3	0.00	10.43	159

Total Volume of Groundwater Purged (gal): ~1.5

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	Stabilization of Parameters (stabilization achieved for three consecutive measurements): pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1626	1629	+0	Y	-0.04	-0.5%	<5	0.00	-0.3%	+2
1629	1632	↓	↓	-0.03	-1.4%	↓	↓	-0.2%	+1
1626	1632	↓	↓	-0.07	-1.9%	↓	↓	-0.5%	+3
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		Y	—	Y	Y	Y	Y	Y	Y

Sample Time: 1633

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

WSP USA

LOW-FLOW SAMPLING LOG

PAGE 1 OF 1

SAMPLE DATE: 3/14

TOTAL # WELLS: 5

Client Name: Rowe Industries
Project Location: Sag Harbor, NY
Sampler(s): PS

Sample Pump: Geopump (peristaltic)
Tubing Type: LDPE - Silicone
Monitoring Equipment: Horiba

Well I.D. MW-9S-043
Well Diameter (inches): 2
Total Depth (ft btoc): ~36
Depth to Water (ft btoc): 17.20

Screen Setting (ft btoc): 30 to 40
Tubing Intake (ft btoc): ~33
Comments: Pump on at 1551
Full at 1554

Well Condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity mS/cm	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1554	17.22	150	5.90	0.259	15.2	0.00	10.80	79
1557	17.22	150	5.70	~0.265	13.8	0.00	11.17	114
1600	17.22	150	5.69	0.264	10.7	0.00	11.23	120
1603	17.22	150	5.68	0.264	8.2	0.00	11.19	123
1606	17.22	150	5.64	0.263	4.6	0.00	11.15	128

Total Volume of Groundwater Purged (gal): ~1

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1600	1603	10	Y	-0.01	10	<5	0.00	-0.3%	+3
1603	1606	↓	↓	-0.04	-0.1%	↓	↓	-0.3%	+5
1600	1606	↓	↓	-0.05	-0.1%	↓	↓	-0.6%	+8
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		Y	—	Y	Y	Y	Y	Y	Y

Sample Time: 1607

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

3/14/24

WSP USA

Low-Flow Sampling Log

PAGE 1 OF 1

SAMPLE DATE: 3/19/19

TOTAL # WELLS: 7

Client Name:	Rowe Industries	Sample Pump:	Geopump (peristaltic)
Project Location:	Sag Harbor, NY	Tubing Type:	LDPE - Silicone
Sampler(s):	JS	Monitoring Equipment:	Horiba
Well I.D.	MW-98-01A	Screen Setting (ft btoc):	____ to ____
Well Diameter (inches):	2	Tubing Intake (ft btoc):	~24
Total Depth (ft btoc):	~27.0	Comments:	Pump on at 1036
Depth to Water (ft btoc):	19.68		Full at 1141

Well Condition: Good - [illegible]

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1041	19.68	150	5.80	0.251	69.1	0.00	10.10	176
1044	19.68	150	5.90	0.251	71.2	0.00	9.97	124
1047	19.68	150	5.95	0.249	65.6	0.00	9.92	104
1050	19.68	150	5.96	0.244	66.3	0.00	9.92	80
1053	19.68	150	5.98	0.237	55.0	0.00	9.90	43
1056	19.68	150	6.03	0.231	38.4	0.00	9.94	28
1059	19.68	150	5.93	0.220	35.7	0.00	9.85	19
1102	19.68	150	6.01	0.219	20.7	0.00	9.96	10
1105	19.68	150	5.97	0.214	13.0	0.00	9.98	9
1108	19.68	150	5.99	0.209	6.5	0.00	9.99	5
1111	19.68	150	5.98	0.207	0.0	0.00	9.97	9

Total Volume of Groundwater Purged (gal): ~1.5

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1105	1105	+0	Y	+0.02	-2.3%	0.0	0.00	+0.1%	-4
1105	1111	↓	↓	-0.01	-0.6%	↓	↓	0.2%	+4
1105	1111	↓	↓	+0.01	-2.9%	↓	↓	-0.1%	+0
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		Y	—	Y	Y	Y	Y	Y	Y

Sample Time: 1112

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

WSP USA

LOW-FLOW SAMPLING LOG

PAGE 1 OF 1

SAMPLE DATE: 3/19

TOTAL # WELLS: 7

Client Name: Rowe Industries
Project Location: Sag Harbor, NY
Sampler(s):

Sample Pump: Geopump (peristaltic)
Tubing Type: LDPE - 30 Silicone - 1
Monitoring Equipment: Horiba

Well I.D. MW-98-~~20~~ 05 A2
Well Diameter (inches): 2
Total Depth (ft btoc): ~28
Depth to Water (ft btoc): 19.18

Screen Setting (ft btoc): 18 to 28
Tubing Intake (ft btoc): ~24
Comments: Pump on at 1141
Full at 1144

Well Condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity mS/cm	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1144	19.18	150	5.24	0.243	38.2	0.00	10.04	109
1147	19.19	150	5.25	0.242	25.7	0.00	10.21	117
1150	19.19	150	5.30	0.240	14.0	0.00	10.29	123
1153	19.19	150	5.31	0.239	10.4	0.00	10.31	128
1156	19.19	150	5.35	0.238	6.8	0.00	10.33	130
1159	19.19	150	5.35	0.236	6.0	0.00	10.45	135
1202	19.19	150	5.39	0.235	4.1	0.00	10.47	136

Total Volume of Groundwater Purged (gal): ~1

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	Stabilization of Parameters (stabilization achieved for three consecutive measurements)					
				pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1156	1159	+0	Y	+0.03	-0.8%	<5	0.00	+1.1%	+5
1159	1202	↓	↓	+0.01	-0.4%	↓	↓	+0.2%	-5
1156	1202	↓	↓	+0.04	-1.2%	↓	↓	+1.3%	+0
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		Y	—	Y	Y	Y	Y	Y	Y

Sample Time: 1205

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

WSP USA

PAGE 1 OF ____

SAMPLE DATE: 3/19

TOTAL # WELLS: 7

LOW-FLOW SAMPLING LOG

Client Name: Rowe Industries

Project Location: Sag Harbor, NY

Sampler(s): MW-98-05 BR / PS

Sample Pump: Geopump (peristaltic)

Tubing Type: LDPE - Silicone

Monitoring Equipment: Horiba

Well I.D. ____

Well Diameter (inches): 2

Total Depth (ft btoc): ~45

Depth to Water (ft btoc): 18.57

Screen Setting (ft btoc): 35 to 45

Tubing Intake (ft btoc): ~40

Comments: Pump on at 1240

Fell at 1243

Well Condition: Good

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity mS/cm	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1243	18.59	150	5.74	0.223	6.4	0.00	10.79	42
1246	18.39	150	5.73	0.222	5.4	0.00	11.15	23
1249	18.39	150	5.69	0.220	4.6	0.00	11.24	16
1252	18.39	150	5.57	0.220	3.6	0.00	11.30	15
1255	18.39	150	5.48	0.220	3.4	0.00	11.37	14
1258	18.39	150	5.41	0.215	2.8	0.00	11.43	14
1301	18.39	150	5.41	0.215	3.3	0.00	11.42	15
1304	18.39	150	5.41	0.215	3.3	0.00	11.43	14

Total Volume of Groundwater Purged (gal): ~1.5

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	Stabilization of Parameters (stabilization achieved for three consecutive measurements)					
				pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1258	1301	+0	Y	+0	+0	<5	0.00	-0.1%	+1
1301	1304	↓	↓	↓	↓	↓	↓	+0.1%	-1
1258	1304	↓	↓	↓	↓	↓	↓	+0	+0
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		Y	—	N	Y	Y	Y	Y	Y

Sample Time: 1325

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

WSP USA

LOW-FLOW SAMPLING LOG

PAGE 1 OF 1

SAMPLE DATE: 3/19

TOTAL # WELLS: 8

Client Name: Rowe Industries

Project Location: Sag Harbor, NY

Sampler(s):

Sample Pump: Geopump (peristaltic)

Tubing Type: LDPE - Silicone

Monitoring Equipment: Horiba

Well I.D. FRW-3

Well Diameter (inches): 4

Total Depth (ft btoc): 28.5

Depth to Water (ft btoc): 18.75

Screen Setting (ft btoc): 18.5 to 28.5

Tubing Intake (ft btoc): ~23.5

Comments: Pump on at 1347

Full at 1350

Well Condition: Good - Iron Fouling

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity mS/cm	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mv)
1350	18.78	150	5.52	0.208	55.8	0.00	10.99	28
1353	18.78	150	5.52	0.195	9.2	0.00	10.90	44
1356	18.78	150	5.41	0.190	6.8	0.00	10.92	51
1359	18.78	150	5.43	0.187	5.5	0.00	10.95	48
1402	18.78	150	5.47	0.186	5.3	0.00	10.96	47
1405	18.78	150	5.49	0.185	5.2	0.00	10.96	48
1408	18.78	150	5.50	0.186	4.9	0.00	10.96	49

Total Volume of Groundwater Purged (gal): ~1.5

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1402	1405	↓	↓	+0.02	-0.1%	<5	0.00	+0	+1
1405	1408			+0.01	+0.1%	↓	↓	↓	+1
1402	1408			+0.03	+0				+2
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		Y	—	Y	Y	Y	Y	Y	Y

Sample Time: 1410

ft btoc feet below top of casing

ml/min milliliters per minute

µs/cm microseimens per centimeter

NTU Nephelometric Turbidity Units

mg/l milligrams per liter

ms/cm milliseimens per centimeter

°C degrees Celsius

mv millivolts

Full Scale Pump & Treat System, Monthly RW Sampling

Name: Scott Philbrick

DATE: 6-4-19

	Time	DTW (ft)	pH	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (deg C)	TDS ~~(mg/L)~~ g/L	ORP (mV)
RW-2				~~0.219~~	~~0.6~~		~~14.50~~	~~0.142~~	~~139~~
FRW-1	1:27	8.42	6.5	0.219	0.6	6.44	~~15~~.55	0.142	139
FRW-2	136	5.30	5.36 ~~0.0~~	0.175	0.0	0.00	14.14	0.113	39
FRW-3	1.41	6.45	5.66 ~~4.5~~	0.161	1.0	4.5	13.32	0.105	24
FRW-4	1.44	14.49	5.66	0.176	5.6	0.0	13.06	0.115	14

Field Measurements were obtained with a Horiba U-22 Water Quality Meter and an electronic interface probe.

* Do continuing to Drop 1 mg/L every 30sec.

~~**~~ Do start @ 6.3 → Proped To 0.0 in 2 1/min

APPENDIX II

Laboratory Analytical Results

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 05/31/2019
Client Project ID: 31401451.000 Rowe
York Project (SDG) No.: 19C0771

Revision No. 2.0

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/31/2019
Client Project ID: 31401451.000 Rowe
York Project (SDG) No.: 19C0771

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 March 20, 2019 and listed below. The project was identified as your project: **31401451.000 Rowe**.

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.

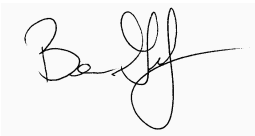
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
19C0771-01	WQ031919:1300 FRW-1	Water	03/19/2019	03/20/2019
19C0771-02	WQ031919:1305 FRW-2	Water	03/19/2019	03/20/2019
19C0771-03	WQ031919:1410 FRW-3	Water	03/19/2019	03/20/2019
19C0771-04	WQ031919:1315 FRW-4	Water	03/19/2019	03/20/2019

General Notes for York Project (SDG) No.: 19C0771

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: 

Date: 05/31/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ031919:1300 FRW-1 **York Sample ID:** 19C0771-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:00 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2019 13:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS

Sample Information

Client Sample ID: WQ031919:1300 FRW-1 **York Sample ID:** 19C0771-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:00 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.450**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 13:37	SS

Sample Information

Client Sample ID: WQ031919:1300 FRW-1 **York Sample ID:** 19C0771-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:00 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**13.4**	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	**Trichloroethylene**	**0.770**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 13:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*119 %*	*70-130*

Sample Information

Client Sample ID: WQ031919:1300 FRW-1 **York Sample ID:** 19C0771-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:00 pm	03/20/2019

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* **Methane**	**37**		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 08:26	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 08:26	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 08:26	RB
							Certifications:			

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.78**		mg/L	0.278	1	EPA 6010D	03/22/2019 13:27	03/25/2019 13:10	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**2.48**		mg/L	0.0500	1	EPA 300.0	03/20/2019 10:52	03/20/2019 10:52	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	03/20/2019 10:52	03/20/2019 10:52	TJM
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**14.5**		mg/L	1.00	1	EPA 300.0	03/20/2019 10:52	03/20/2019 10:52	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**2.55**		mg/L	1.00	1	SM 5310C	03/21/2019 08:33	03/21/2019 16:08	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: WQ031919:1305 FRW-2 **York Sample ID:** 19C0771-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:05 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2019 14:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 14:09	SS

Sample Information

Client Sample ID: WQ031919:1305 FRW-2 **York Sample ID:** 19C0771-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:05 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.54**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: WQ031919:1305 FRW-2 **York Sample ID:** 19C0771-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:05 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**15.2**	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	**Trichloroethylene**	**0.950**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*106 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*119 %*	*70-130*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: WQ031919:1305 FRW-2 **York Sample ID:** 19C0771-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:05 pm	03/20/2019

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**35**		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 08:56	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 08:56	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 08:56	RB
							Certifications:			

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**1.46**		mg/L	0.278	1	EPA 6010D	03/22/2019 13:27	03/25/2019 13:13	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**1.09**		mg/L	0.0500	1	EPA 300.0	03/20/2019 11:17	03/20/2019 11:17	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	03/20/2019 11:17	03/20/2019 11:17	TJM
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**12.9**		mg/L	1.00	1	EPA 300.0	03/20/2019 11:17	03/20/2019 11:17	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.74**		mg/L	1.00	1	SM 5310C	03/21/2019 08:33	03/21/2019 16:08	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: WQ031919:1410 FRW-3 **York Sample ID:** 19C0771-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 2:10 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	**1,1,1-Trichloroethane**	**0.240**		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/25/2019 07:30	03/25/2019 14:41	SS
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: WQ031919:1410 FRW-3 **York Sample ID:** 19C0771-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 2:10 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	**cis-1,2-Dichloroethylene**	**3.93**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ031919:1410 FRW-3 **York Sample ID:** 19C0771-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 2:10 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**38.8**	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	**Trichloroethylene**	**1.03**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*125 %*	*70-130*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: WQ031919:1410 FRW-3 **York Sample ID:** 19C0771-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 2:10 pm	03/20/2019

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**19**		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 09:19	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 09:19	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 09:19	RB
							Certifications:			

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.520**		mg/L	0.278	1	EPA 6010D	03/22/2019 13:27	03/25/2019 13:15	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**2.62**		mg/L	0.0500	1	EPA 300.0	03/20/2019 11:42	03/20/2019 11:42	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	**Nitrite as N**	**0.0521**		mg/L	0.0500	1	EPA 300.0	03/20/2019 11:42	03/20/2019 11:42	TJM
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**12.0**		mg/L	1.00	1	EPA 300.0	03/20/2019 11:42	03/20/2019 11:42	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.95**		mg/L	1.00	1	SM 5310C	03/21/2019 08:33	03/21/2019 16:08	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: WQ031919:1315 FRW-4 **York Sample ID:** 19C0771-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:15 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: WQ031919:1315 FRW-4 **York Sample ID:** 19C0771-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:15 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.490**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:13	SS

Sample Information

Client Sample ID: WQ031919:1315 FRW-4 **York Sample ID:** 19C0771-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:15 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**1.02**	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:13 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*121 %*	*70-130*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: WQ031919:1315 FRW-4 **York Sample ID:** 19C0771-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0771	31401451.000 Rowe	Water	March 19, 2019 1:15 pm	03/20/2019

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**150**		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 09:50	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 09:50	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 09:50	RB
							Certifications:			

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.39**		mg/L	0.278	1	EPA 6010D	03/22/2019 13:27	03/25/2019 13:18	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**0.423**		mg/L	0.0500	1	EPA 300.0	03/20/2019 12:07	03/20/2019 12:07	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	03/20/2019 12:07	03/20/2019 12:07	TJM
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**5.57**		mg/L	1.00	1	EPA 300.0	03/20/2019 12:07	03/20/2019 12:07	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.34**		mg/L	1.00	1	SM 5310C	03/21/2019 08:33	03/21/2019 16:08	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BC90998 **Preparation Method:** EPA 300 **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
19C0771-01	WQ031919:1300 FRW-1	03/20/19
19C0771-02	WQ031919:1305 FRW-2	03/20/19
19C0771-03	WQ031919:1410 FRW-3	03/20/19
19C0771-04	WQ031919:1315 FRW-4	03/20/19
BC90998-BLK1	Blank	03/20/19
BC90998-BS1	LCS	03/20/19

Batch ID: BC91016 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
19C0771-01	WQ031919:1300 FRW-1	03/21/19
19C0771-02	WQ031919:1305 FRW-2	03/21/19
19C0771-03	WQ031919:1410 FRW-3	03/21/19
19C0771-04	WQ031919:1315 FRW-4	03/21/19
BC91016-BLK1	Blank	03/21/19
BC91016-BS1	LCS	03/21/19

Batch ID: BC91137 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19C0771-01	WQ031919:1300 FRW-1	03/22/19
19C0771-02	WQ031919:1305 FRW-2	03/22/19
19C0771-03	WQ031919:1410 FRW-3	03/22/19
19C0771-04	WQ031919:1315 FRW-4	03/22/19
BC91137-BLK1	Blank	03/22/19
BC91137-BS1	LCS	03/22/19

Batch ID: BC91165 **Preparation Method:** Preparation for GC Analysis **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
19C0771-01	WQ031919:1300 FRW-1	03/23/19
19C0771-02	WQ031919:1305 FRW-2	03/23/19
19C0771-03	WQ031919:1410 FRW-3	03/23/19
19C0771-04	WQ031919:1315 FRW-4	03/23/19
BC91165-BLK1	Blank	03/23/19
BC91165-DUP1	Duplicate	03/23/19

Batch ID: BC91190 **Preparation Method:** EPA 5030B **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19C0771-01	WQ031919:1300 FRW-1	03/25/19
19C0771-02	WQ031919:1305 FRW-2	03/25/19
19C0771-03	WQ031919:1410 FRW-3	03/25/19

19C0771-04	WQ031919:1315 FRW-4	03/25/19
BC91190-BLK1	Blank	03/25/19
BC91190-BS1	LCS	03/25/19
BC91190-BSD1	LCS Dup	03/25/19

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 BC91190 - EPA 5030B											
Blank (BC91190-BLK1)											Prepared & Analyzed: 03/25/2019
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	0.250	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC91190 - EPA 5030B											
Blank (BC91190-BLK1)									Prepared & Analyzed: 03/25/2019		
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.5*		*"*	*10.0*		*115*	*70-130*				
LCS (BC91190-BS1)									Prepared & Analyzed: 03/25/2019		
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126			30	
1,1,1-Trichloroethane	9.88		"	10.0		98.8	70-130			20	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	70-130			20	
1,1,2-Trichloroethane	10.3		"	10.0		103	70-130			20	
1,1-Dichloroethane	9.96		"	10.0		99.6	70-130			20	
1,1-Dichloroethylene	10.4		"	10.0		104	70-130			20	
1,1-Dichloropropylene	9.67		"	10.0		96.7	83-133			30	
1,2,3-Trichlorobenzene	10.0		"	10.0		100	70-130			20	
1,2,3-Trichloropropane	9.81		"	10.0		98.1	77-128			30	
1,2,4-Trichlorobenzene	9.10		"	10.0		91.0	70-130			20	
1,2,4-Trimethylbenzene	9.60		"	10.0		96.0	82-132			20	
1,2-Dibromo-3-chloropropane	11.6		"	10.0		116	40-160			20	
1,2-Dibromoethane	9.55		"	10.0		95.5	70-130			20	
1,2-Dichlorobenzene	9.46		"	10.0		94.6	70-130			20	
1,2-Dichloroethane	10.2		"	10.0		102	70-130			20	
1,2-Dichloropropane	10.4		"	10.0		104	70-130			20	
1,3,5-Trimethylbenzene	9.56		"	10.0		95.6	80-131			30	
1,3-Dichlorobenzene	9.00		"	10.0		90.0	70-130			20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125			30	
1,4-Dichlorobenzene	9.08		"	10.0		90.8	70-130			20	
2,2-Dichloropropane	10.4		"	10.0		104	56-150			30	
2-Chlorotoluene	10.5		"	10.0		105	79-130			30	
2-Hexanone	9.51		"	10.0		95.1	40-160			20	
4-Chlorotoluene	10.4		"	10.0		104	79-128			30	
Acetone	6.01		"	10.0		60.1	40-160			20	
Benzene	9.78		"	10.0		97.8	70-130			20	
Bromobenzene	10.4		"	10.0		104	78-129			30	
Bromochloromethane	10.2		"	10.0		102	70-130			20	
Bromodichloromethane	10.5		"	10.0		105	70-130			20	

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 BC91190 - EPA 5030B											
LCS (BC91190-BS1)								Prepared & Analyzed: 03/25/2019			
Bromoform	9.95		ug/L	10.0		99.5	70-130			20	
Bromomethane	8.87		"	10.0		88.7	40-160			20	
Carbon tetrachloride	9.63		"	10.0		96.3	70-130			20	
Chlorobenzene	10.4		"	10.0		104	70-130			20	
Chloroethane	10.3		"	10.0		103	40-160			20	
Chloroform	9.73		"	10.0		97.3	70-130			20	
Chloromethane	10.4		"	10.0		104	40-160			20	
cis-1,2-Dichloroethylene	9.75		"	10.0		97.5	70-130			20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Dibromochloromethane	10.1		"	10.0		101	70-130			20	
Dibromomethane	10.2		"	10.0		102	72-134			30	
Dichlorodifluoromethane	11.2		"	10.0		112	40-160			20	
Ethyl Benzene	10.5		"	10.0		105	70-130			20	
Hexachlorobutadiene	9.68		"	10.0		96.8	67-146			30	
Isopropylbenzene	9.45		"	10.0		94.5	70-130			20	
Methyl tert-butyl ether (MTBE)	9.88		"	10.0		98.8	70-130			20	
Methylene chloride	10.1		"	10.0		101	70-130			20	
Naphthalene	9.47		"	10.0		94.7	70-147			30	
n-Butylbenzene	9.40		"	10.0		94.0	79-132			30	
n-Propylbenzene	10.3		"	10.0		103	78-133			30	
o-Xylene	10.7		"	10.0		107	70-130			20	
p- & m- Xylenes	21.9		"	20.0		109	70-130			20	
p-Isopropyltoluene	9.50		"	10.0		95.0	81-136			30	
sec-Butylbenzene	9.84		"	10.0		98.4	79-137			30	
Styrene	9.76		"	10.0		97.6	70-130			20	
tert-Butylbenzene	9.35		"	10.0		93.5	77-138			30	
Tetrachloroethylene	6.37		"	10.0		63.7	70-130	Low Bias		20	
Toluene	10.8		"	10.0		108	70-130			20	
trans-1,2-Dichloroethylene	9.89		"	10.0		98.9	70-130			20	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Trichloroethylene	10.4		"	10.0		104	70-130			20	
Trichlorofluoromethane	10.3		"	10.0		103	40-160			20	
Vinyl Chloride	10.7		"	10.0		107	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*70-130*				

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 BC91190 - EPA 5030B											
LCS Dup (BC91190-BSD1)								Prepared & Analyzed: 03/25/2019			
1,1,1,2-Tetrachloroethane	9.75		ug/L	10.0		97.5	82-126		3.43	30	
1,1,1-Trichloroethane	9.22		"	10.0		92.2	70-130		6.91	20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130		3.91	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.83		"	10.0		98.3	70-130		5.06	20	
1,1,2-Trichloroethane	9.70		"	10.0		97.0	70-130		5.81	20	
1,1-Dichloroethane	9.52		"	10.0		95.2	70-130		4.52	20	
1,1-Dichloroethylene	9.55		"	10.0		95.5	70-130		8.04	20	
1,1-Dichloropropylene	9.04		"	10.0		90.4	83-133		6.73	30	
1,2,3-Trichlorobenzene	9.02		"	10.0		90.2	70-130		10.5	20	
1,2,3-Trichloropropane	9.49		"	10.0		94.9	77-128		3.32	30	
1,2,4-Trichlorobenzene	8.93		"	10.0		89.3	70-130		1.89	20	
1,2,4-Trimethylbenzene	9.44		"	10.0		94.4	82-132		1.68	20	
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	40-160		7.13	20	
1,2-Dibromoethane	9.67		"	10.0		96.7	70-130		1.25	20	
1,2-Dichlorobenzene	9.15		"	10.0		91.5	70-130		3.33	20	
1,2-Dichloroethane	9.72		"	10.0		97.2	70-130		4.92	20	
1,2-Dichloropropane	9.96		"	10.0		99.6	70-130		4.13	20	
1,3,5-Trimethylbenzene	9.34		"	10.0		93.4	80-131		2.33	30	
1,3-Dichlorobenzene	8.71		"	10.0		87.1	70-130		3.27	20	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		2.60	30	
1,4-Dichlorobenzene	8.93		"	10.0		89.3	70-130		1.67	20	
2,2-Dichloropropane	9.68		"	10.0		96.8	56-150		7.46	30	
2-Chlorotoluene	10.2		"	10.0		102	79-130		2.32	30	
2-Hexanone	9.08		"	10.0		90.8	40-160		4.63	20	
4-Chlorotoluene	10.2		"	10.0		102	79-128		2.23	30	
Acetone	5.46		"	10.0		54.6	40-160		9.59	20	
Benzene	9.19		"	10.0		91.9	70-130		6.22	20	
Bromobenzene	10.4		"	10.0		104	78-129		0.0960	30	
Bromochloromethane	9.51		"	10.0		95.1	70-130		6.51	20	
Bromodichloromethane	10.3		"	10.0		103	70-130		1.44	20	
Bromoform	10.0		"	10.0		100	70-130		0.900	20	
Bromomethane	8.23		"	10.0		82.3	40-160		7.49	20	
Carbon tetrachloride	9.12		"	10.0		91.2	70-130		5.44	20	
Chlorobenzene	10.0		"	10.0		100	70-130		3.44	20	
Chloroethane	9.36		"	10.0		93.6	40-160		9.37	20	
Chloroform	9.22		"	10.0		92.2	70-130		5.38	20	
Chloromethane	10.1		"	10.0		101	40-160		3.31	20	
cis-1,2-Dichloroethylene	9.31		"	10.0		93.1	70-130		4.62	20	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		2.48	20	
Dibromochloromethane	9.57		"	10.0		95.7	70-130		5.49	20	
Dibromomethane	10.3		"	10.0		103	72-134		0.876	30	
Dichlorodifluoromethane	10.4		"	10.0		104	40-160		7.35	20	
Ethyl Benzene	10.3		"	10.0		103	70-130		1.73	20	
Hexachlorobutadiene	9.35		"	10.0		93.5	67-146		3.47	30	
Isopropylbenzene	9.19		"	10.0		91.9	70-130		2.79	20	
Methyl tert-butyl ether (MTBE)	9.34		"	10.0		93.4	70-130		5.62	20	
Methylene chloride	9.50		"	10.0		95.0	70-130		6.02	20	
Naphthalene	9.05		"	10.0		90.5	70-147		4.54	30	
n-Butylbenzene	9.83		"	10.0		98.3	79-132		4.47	30	
n-Propylbenzene	9.98		"	10.0		99.8	78-133		2.96	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
Batch BC91190 - EPA 5030B											
LCS Dup (BC91190-BSD1)								Prepared & Analyzed: 03/25/2019			
o-Xylene	10.2		ug/L	10.0		102	70-130		4.49	20	
p- & m- Xylenes	21.0		"	20.0		105	70-130		4.25	20	
p-Isopropyltoluene	9.40		"	10.0		94.0	81-136		1.06	30	
sec-Butylbenzene	9.61		"	10.0		96.1	79-137		2.37	30	
Styrene	9.51		"	10.0		95.1	70-130		2.59	20	
tert-Butylbenzene	9.13		"	10.0		91.3	77-138		2.38	30	
Tetrachloroethylene	6.45		"	10.0		64.5	70-130	Low Bias	1.25	20	
Toluene	10.2		"	10.0		102	70-130		5.69	20	
trans-1,2-Dichloroethylene	9.17		"	10.0		91.7	70-130		7.56	20	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		1.90	20	
Trichloroethylene	10.1		"	10.0		101	70-130		3.22	20	
Trichlorofluoromethane	9.61		"	10.0		96.1	40-160		6.64	20	
Vinyl Chloride	10.0		"	10.0		100	70-130		6.47	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.66*		*"*	*10.0*		*96.6*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.9*		*"*	*10.0*		*109*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*70-130*				

Gas Chromatography/Flame Ionization Detector - 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 BC91165 - Preparation for GC Analysis											
Blank (BC91165-BLK1)									Prepared: 03/23/2019 Analyzed: 03/25/2019		
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								
Duplicate (BC91165-DUP1)	*Source sample: 19C0771-01 (WQ031919:1300 FRW-1)								Prepared: 03/23/2019 Analyzed: 03/25/2019		
Methane	38	10	ug/L		37				2.64	35	
Ethane	ND	10	"		ND					35	
Ethylene (Ethene)	ND	10	"		ND					35	

Metals by ICP - 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 BC91137 - EPA 3015A											
Blank (BC91137-BLK1)									Prepared: 03/22/2019 Analyzed: 03/25/2019		
Iron - Dissolved	ND	0.278	mg/L								
LCS (BC91137-BS1)									Prepared: 03/22/2019 Analyzed: 03/25/2019		
Iron - Dissolved	1.13	0.278	mg/L	1.11		102	80-120				

Anions by Ion Chromatography - 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 BC90998 - EPA 300											
Blank (BC90998-BLK1)								Prepared & Analyzed: 03/20/2019			
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BC90998-BS1)								Prepared & Analyzed: 03/20/2019			
Nitrate as N	10.4	0.0500	mg/L	10.0		104	90-110				
Nitrite as N	10.2	0.0500	"	10.0		102	90-110				
Sulfate	10.5	1.00	"	10.0		105	85-115				

Wet Chemistry Parameters - 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 BC91016 - Analysis Preparation											
Blank (BC91016-BLK1)									Prepared & Analyzed: 03/21/2019		
Total Organic Carbon (TOC)	ND	1.00	mg/L								
LCS (BC91016-BS1)									Prepared & Analyzed: 03/21/2019		
Total Organic Carbon (TOC)	78.5	1.00	mg/L	76.4		103	79.5-125.1				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19C0771-01	WQ031919:1300 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0771-02	WQ031919:1305 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0771-03	WQ031919:1410 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0771-04	WQ031919:1315 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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.

Revision Description: used QA template

York Analytical Laboratories, Inc.
120 Research Drive Stratford, CT 06615
132-02 89th Ave Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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.

YORK Project No. 19C0771

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: WSP	Company:	Company:	31401451.000	RUSH - Next Day
Address: 4 Research Drive Ste 204 Shelton, CT 06484	Address:	Address: SAME	YOUR Project Name: Rowe	RUSH - Two Day
Phone.: 203-929-8355	Phone.: SAME	Phone.:		RUSH - Three Day
Contact: Trude Sundor	Contact:	Contact:		RUSH - Four Day
E-mail: Trude.Sundor@wsp.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Printed Name: Trude Sundor

Samples Collected by: (print your name above and sign below)

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ¦ Other

Samples From
New York
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)
Summary Report; CT RCP; Standard Excel EDD
QA Report; CT RCP DQA/DUE; EQuIS (Standard)
NY ASP A Package; NJDEP Reduced Deliverables; NYSDEC EQuIS
NY ASP B Package; NJDEP SRP HazSite
NJDKQP; Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WG031919:1300 FRW-1	GW	3/19 1300	VOCs + Freon 113, Silica, Ethane/Ethene/Methane, Dissolved Iron, TOC, Nitrate + Nitrite	2x 250mL, 6x Vom
WG031919:1305 FRW-2	↓	1305	↓	↓
WG031919:1410 FRW-3		1410		
WG031919:1315 FRW-4		1315		

Comments: Note Bottles Field Filtered

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
WSP	3/20/19 851				
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by / Date/Time	Temp. Received at Lab
				PGrace 3-20-19 0852	3.0 Degrees C

Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 05/31/2019
Client Project ID: 31401451.000 Rowe
York Project (SDG) No.: 19C0772

Revision No. 2.0

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 05/31/2019
Client Project ID: 31401451.000 Rowe
York Project (SDG) No.: 19C0772

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

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 March 20, 2019 and listed below. The project was identified as your project: **31401451.000 Rowe**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
19C0772-01	MW-98-01A	Water	03/19/2019	03/20/2019
19C0772-02	MW-98-04	Water	03/19/2019	03/20/2019
19C0772-03	MW-98-04B	Water	03/19/2019	03/20/2019
19C0772-04	MW-98-05AR	Water	03/19/2019	03/20/2019
19C0772-05	MW-98-05BR	Water	03/19/2019	03/20/2019
19C0772-06	MW-45A	Water	03/19/2019	03/20/2019
19C0772-07	MW-45B	Water	03/19/2019	03/20/2019
19C0772-08	MW-A	Water	03/19/2019	03/20/2019

General Notes for York Project (SDG) No.: 19C0772

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: 

Date: 05/31/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-98-01A

York Sample ID: 19C0772-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 11:12 am	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2019 15:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 15:44	SS

Sample Information

Client Sample ID: MW-98-01A

York Sample ID: 19C0772-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 11:12 am	03/20/2019

Volatile Organics, 8260 List - Low Level

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
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: MW-98-01A

York Sample ID: 19C0772-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 11:12 am	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**1.59**	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 15:44 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*70-130*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: MW-98-01A **York Sample ID:** 19C0772-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 11:12 am	03/20/2019

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ug/L	10	1	GC/Headspace Certifications:	03/23/2019 09:34	03/25/2019 10:09	RB
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace Certifications:	03/23/2019 09:34	03/25/2019 10:09	RB
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace Certifications:	03/23/2019 09:34	03/25/2019 10:09	RB

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**2.80**		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2019 13:27	03/25/2019 13:25	KML

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**1.33**		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/20/2019 12:32	03/20/2019 12:32	TJM

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,PADEP	03/20/2019 12:32	03/20/2019 12:32	TJM

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**4.79**		mg/L	1.00	1	EPA 300.0 Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/20/2019 12:32	03/20/2019 12:32	TJM

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**1.61**		mg/L	1.00	1	SM 5310C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/21/2019 08:33	03/21/2019 16:08	AD

Sample Information

Client Sample ID: MW-98-04 **York Sample ID:** 19C0772-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 4:33 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2019 16:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS

Sample Information

Client Sample ID: MW-98-04 **York Sample ID:** 19C0772-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 4:33 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS

Sample Information

Client Sample ID: MW-98-04 **York Sample ID:** 19C0772-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 4:33 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/25/2019 16:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/25/2019 16:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
127-18-4	**Tetrachloroethylene**	**3.01**	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:16	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2019 16:16	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*118 %*	*70-130*

Sample Information

Client Sample ID: MW-98-04B

York Sample ID: 19C0772-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 4:07 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: MW-98-04B

York Sample ID: 19C0772-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 4:07 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 16:48	SS

Sample Information

Client Sample ID: MW-98-04B

York Sample ID: 19C0772-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 4:07 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 16:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*119 %*	*70-130*

Sample Information

Client Sample ID: MW-98-05AR

York Sample ID: 19C0772-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 12:03 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: MW-98-05AR

York Sample ID: 19C0772-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 12:03 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: MW-98-05AR

York Sample ID: 19C0772-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 12:03 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**14.5**	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	**Trichloroethylene**	**0.220**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:19 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*70-130*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: MW-98-05AR **York Sample ID:** 19C0772-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 12:03 pm	03/20/2019

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**25**		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 10:21	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 10:21	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 10:21	RB
							Certifications:			

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	03/22/2019 13:27	03/25/2019 13:27	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**2.73**		mg/L	0.0500	1	EPA 300.0	03/20/2019 12:57	03/20/2019 12:57	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	03/20/2019 12:57	03/20/2019 12:57	TJM
							Certifications:	NELAC-NY10854,CTDOH,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**12.8**		mg/L	1.00	1	EPA 300.0	03/20/2019 12:57	03/20/2019 12:57	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3.55**		mg/L	1.00	1	SM 5310C	03/21/2019 08:33	03/21/2019 16:08	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-98-05BR

York Sample ID: 19C0772-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 1:05 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: MW-98-05BR

York Sample ID: 19C0772-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 1:05 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: MW-98-05BR

York Sample ID: 19C0772-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 1:05 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 17:51 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*118 %*	*70-130*

Sample Information

Client Sample ID: MW-45A

York Sample ID: 19C0772-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 3:00 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: MW-45A

York Sample ID: 19C0772-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 3:00 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:23	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: MW-45A **York Sample ID:** 19C0772-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 3:00 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/25/2019 18:23	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/25/2019 18:23	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2019 18:23	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/25/2019 18:23	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*119 %*	*70-130*

Sample Information

Client Sample ID: MW-45B

York Sample ID: 19C0772-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 3:31 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: MW-45B

York Sample ID: 19C0772-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 3:31 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: MW-45B

York Sample ID: 19C0772-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 3:31 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 18:54 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*119 %*	*70-130*

Sample Information

Client Sample ID: MW-A

York Sample ID: 19C0772-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 12:03 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 NELAC-NY10854,NELAC-NY12058,NJDEP	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: MW-A

York Sample ID: 19C0772-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 12:03 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26	SS CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: MW-A

York Sample ID: 19C0772-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 12:03 pm	03/20/2019

Volatile Organics, 8260 List - Low Level

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
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
127-18-4	**Tetrachloroethylene**	**14.5**	ICV-E	ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
79-01-6	**Trichloroethylene**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	03/25/2019 07:30	03/25/2019 19:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*116 %*	*70-130*

Methane, Ethane & Ethylene

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: MW-A **York Sample ID:** 19C0772-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19C0772	31401451.000 Rowe	Water	March 19, 2019 12:03 pm	03/20/2019

Sample Prepared by Method: Preparation for GC Analysis

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	*** Methane**	**28**		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 10:31	RB
							Certifications:			
74-84-0	* Ethane	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 10:31	RB
							Certifications:			
74-85-1	* Ethylene (Ethene)	ND		ug/L	10	1	GC/Headspace	03/23/2019 09:34	03/25/2019 10:31	RB
							Certifications:			

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	03/22/2019 13:27	03/25/2019 13:30	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nitrate as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-55-8	**Nitrate as N**	**2.83**		mg/L	0.0500	1	EPA 300.0	03/20/2019 13:21	03/20/2019 13:21	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Nitrite as N

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14797-65-0	Nitrite as N	ND		mg/L	0.0500	1	EPA 300.0	03/20/2019 13:21	03/20/2019 13:21	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sulfate as SO4

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 300

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
14808-79-8	**Sulfate**	**12.8**		mg/L	1.00	1	EPA 300.0	03/20/2019 13:21	03/20/2019 13:21	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Organic Carbon

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Organic Carbon (TOC)	**3.32**		mg/L	1.00	1	SM 5310C	03/21/2019 08:33	03/21/2019 16:08	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BC90998 **Preparation Method:** EPA 300 **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
19C0772-01	MW-98-01A	03/20/19
19C0772-04	MW-98-05AR	03/20/19
19C0772-08	MW-A	03/20/19
BC90998-BLK1	Blank	03/20/19
BC90998-BS1	LCS	03/20/19

Batch ID: BC91016 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
19C0772-01	MW-98-01A	03/21/19
19C0772-04	MW-98-05AR	03/21/19
19C0772-08	MW-A	03/21/19
BC91016-BLK1	Blank	03/21/19
BC91016-BS1	LCS	03/21/19

Batch ID: BC91137 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19C0772-01	MW-98-01A	03/22/19
19C0772-04	MW-98-05AR	03/22/19
19C0772-08	MW-A	03/22/19
BC91137-BLK1	Blank	03/22/19
BC91137-BS1	LCS	03/22/19

Batch ID: BC91165 **Preparation Method:** Preparation for GC Analysis **Prepared By:** RQB

YORK Sample ID	Client Sample ID	Preparation Date
19C0772-01	MW-98-01A	03/23/19
19C0772-04	MW-98-05AR	03/23/19
19C0772-08	MW-A	03/23/19
BC91165-BLK1	Blank	03/23/19

Batch ID: BC91190 **Preparation Method:** EPA 5030B **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
19C0772-01	MW-98-01A	03/25/19
19C0772-02	MW-98-04	03/25/19
19C0772-03	MW-98-04B	03/25/19
19C0772-04	MW-98-05AR	03/25/19
19C0772-05	MW-98-05BR	03/25/19
19C0772-06	MW-45A	03/25/19
19C0772-07	MW-45B	03/25/19
19C0772-08	MW-A	03/25/19

BC91190-BLK1	Blank	03/25/19
BC91190-BS1	LCS	03/25/19
BC91190-BSD1	LCS Dup	03/25/19

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 BC91190 - EPA 5030B											
Blank (BC91190-BLK1)											Prepared & Analyzed: 03/25/2019
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	0.250	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								

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 BC91190 - EPA 5030B											
Blank (BC91190-BLK1)									Prepared & Analyzed: 03/25/2019		
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.5*		*"*	*10.0*		*105*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.5*		*"*	*10.0*		*115*	*70-130*				
LCS (BC91190-BS1)									Prepared & Analyzed: 03/25/2019		
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126			30	
1,1,1-Trichloroethane	9.88		"	10.0		98.8	70-130			20	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.3		"	10.0		103	70-130			20	
1,1,2-Trichloroethane	10.3		"	10.0		103	70-130			20	
1,1-Dichloroethane	9.96		"	10.0		99.6	70-130			20	
1,1-Dichloroethylene	10.4		"	10.0		104	70-130			20	
1,1-Dichloropropylene	9.67		"	10.0		96.7	83-133			30	
1,2,3-Trichlorobenzene	10.0		"	10.0		100	70-130			20	
1,2,3-Trichloropropane	9.81		"	10.0		98.1	77-128			30	
1,2,4-Trichlorobenzene	9.10		"	10.0		91.0	70-130			20	
1,2,4-Trimethylbenzene	9.60		"	10.0		96.0	82-132			20	
1,2-Dibromo-3-chloropropane	11.6		"	10.0		116	40-160			20	
1,2-Dibromoethane	9.55		"	10.0		95.5	70-130			20	
1,2-Dichlorobenzene	9.46		"	10.0		94.6	70-130			20	
1,2-Dichloroethane	10.2		"	10.0		102	70-130			20	
1,2-Dichloropropane	10.4		"	10.0		104	70-130			20	
1,3,5-Trimethylbenzene	9.56		"	10.0		95.6	80-131			30	
1,3-Dichlorobenzene	9.00		"	10.0		90.0	70-130			20	
1,3-Dichloropropane	10.5		"	10.0		105	81-125			30	
1,4-Dichlorobenzene	9.08		"	10.0		90.8	70-130			20	
2,2-Dichloropropane	10.4		"	10.0		104	56-150			30	
2-Chlorotoluene	10.5		"	10.0		105	79-130			30	
2-Hexanone	9.51		"	10.0		95.1	40-160			20	
4-Chlorotoluene	10.4		"	10.0		104	79-128			30	
Acetone	6.01		"	10.0		60.1	40-160			20	
Benzene	9.78		"	10.0		97.8	70-130			20	
Bromobenzene	10.4		"	10.0		104	78-129			30	
Bromochloromethane	10.2		"	10.0		102	70-130			20	
Bromodichloromethane	10.5		"	10.0		105	70-130			20	

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 BC91190 - EPA 5030B											
LCS (BC91190-BS1)								Prepared & Analyzed: 03/25/2019			
Bromoform	9.95		ug/L	10.0		99.5	70-130			20	
Bromomethane	8.87		"	10.0		88.7	40-160			20	
Carbon tetrachloride	9.63		"	10.0		96.3	70-130			20	
Chlorobenzene	10.4		"	10.0		104	70-130			20	
Chloroethane	10.3		"	10.0		103	40-160			20	
Chloroform	9.73		"	10.0		97.3	70-130			20	
Chloromethane	10.4		"	10.0		104	40-160			20	
cis-1,2-Dichloroethylene	9.75		"	10.0		97.5	70-130			20	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Dibromochloromethane	10.1		"	10.0		101	70-130			20	
Dibromomethane	10.2		"	10.0		102	72-134			30	
Dichlorodifluoromethane	11.2		"	10.0		112	40-160			20	
Ethyl Benzene	10.5		"	10.0		105	70-130			20	
Hexachlorobutadiene	9.68		"	10.0		96.8	67-146			30	
Isopropylbenzene	9.45		"	10.0		94.5	70-130			20	
Methyl tert-butyl ether (MTBE)	9.88		"	10.0		98.8	70-130			20	
Methylene chloride	10.1		"	10.0		101	70-130			20	
Naphthalene	9.47		"	10.0		94.7	70-147			30	
n-Butylbenzene	9.40		"	10.0		94.0	79-132			30	
n-Propylbenzene	10.3		"	10.0		103	78-133			30	
o-Xylene	10.7		"	10.0		107	70-130			20	
p- & m- Xylenes	21.9		"	20.0		109	70-130			20	
p-Isopropyltoluene	9.50		"	10.0		95.0	81-136			30	
sec-Butylbenzene	9.84		"	10.0		98.4	79-137			30	
Styrene	9.76		"	10.0		97.6	70-130			20	
tert-Butylbenzene	9.35		"	10.0		93.5	77-138			30	
Tetrachloroethylene	6.37		"	10.0		63.7	70-130	Low Bias		20	
Toluene	10.8		"	10.0		108	70-130			20	
trans-1,2-Dichloroethylene	9.89		"	10.0		98.9	70-130			20	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	70-130			20	
Trichloroethylene	10.4		"	10.0		104	70-130			20	
Trichlorofluoromethane	10.3		"	10.0		103	40-160			20	
Vinyl Chloride	10.7		"	10.0		107	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.8*		*"*	*10.0*		*108*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*70-130*				

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 BC91190 - EPA 5030B											
LCS Dup (BC91190-BSD1)								Prepared & Analyzed: 03/25/2019			
1,1,1,2-Tetrachloroethane	9.75		ug/L	10.0		97.5	82-126		3.43	30	
1,1,1-Trichloroethane	9.22		"	10.0		92.2	70-130		6.91	20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130		3.91	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.83		"	10.0		98.3	70-130		5.06	20	
1,1,2-Trichloroethane	9.70		"	10.0		97.0	70-130		5.81	20	
1,1-Dichloroethane	9.52		"	10.0		95.2	70-130		4.52	20	
1,1-Dichloroethylene	9.55		"	10.0		95.5	70-130		8.04	20	
1,1-Dichloropropylene	9.04		"	10.0		90.4	83-133		6.73	30	
1,2,3-Trichlorobenzene	9.02		"	10.0		90.2	70-130		10.5	20	
1,2,3-Trichloropropane	9.49		"	10.0		94.9	77-128		3.32	30	
1,2,4-Trichlorobenzene	8.93		"	10.0		89.3	70-130		1.89	20	
1,2,4-Trimethylbenzene	9.44		"	10.0		94.4	82-132		1.68	20	
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	40-160		7.13	20	
1,2-Dibromoethane	9.67		"	10.0		96.7	70-130		1.25	20	
1,2-Dichlorobenzene	9.15		"	10.0		91.5	70-130		3.33	20	
1,2-Dichloroethane	9.72		"	10.0		97.2	70-130		4.92	20	
1,2-Dichloropropane	9.96		"	10.0		99.6	70-130		4.13	20	
1,3,5-Trimethylbenzene	9.34		"	10.0		93.4	80-131		2.33	30	
1,3-Dichlorobenzene	8.71		"	10.0		87.1	70-130		3.27	20	
1,3-Dichloropropane	10.2		"	10.0		102	81-125		2.60	30	
1,4-Dichlorobenzene	8.93		"	10.0		89.3	70-130		1.67	20	
2,2-Dichloropropane	9.68		"	10.0		96.8	56-150		7.46	30	
2-Chlorotoluene	10.2		"	10.0		102	79-130		2.32	30	
2-Hexanone	9.08		"	10.0		90.8	40-160		4.63	20	
4-Chlorotoluene	10.2		"	10.0		102	79-128		2.23	30	
Acetone	5.46		"	10.0		54.6	40-160		9.59	20	
Benzene	9.19		"	10.0		91.9	70-130		6.22	20	
Bromobenzene	10.4		"	10.0		104	78-129		0.0960	30	
Bromochloromethane	9.51		"	10.0		95.1	70-130		6.51	20	
Bromodichloromethane	10.3		"	10.0		103	70-130		1.44	20	
Bromoform	10.0		"	10.0		100	70-130		0.900	20	
Bromomethane	8.23		"	10.0		82.3	40-160		7.49	20	
Carbon tetrachloride	9.12		"	10.0		91.2	70-130		5.44	20	
Chlorobenzene	10.0		"	10.0		100	70-130		3.44	20	
Chloroethane	9.36		"	10.0		93.6	40-160		9.37	20	
Chloroform	9.22		"	10.0		92.2	70-130		5.38	20	
Chloromethane	10.1		"	10.0		101	40-160		3.31	20	
cis-1,2-Dichloroethylene	9.31		"	10.0		93.1	70-130		4.62	20	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		2.48	20	
Dibromochloromethane	9.57		"	10.0		95.7	70-130		5.49	20	
Dibromomethane	10.3		"	10.0		103	72-134		0.876	30	
Dichlorodifluoromethane	10.4		"	10.0		104	40-160		7.35	20	
Ethyl Benzene	10.3		"	10.0		103	70-130		1.73	20	
Hexachlorobutadiene	9.35		"	10.0		93.5	67-146		3.47	30	
Isopropylbenzene	9.19		"	10.0		91.9	70-130		2.79	20	
Methyl tert-butyl ether (MTBE)	9.34		"	10.0		93.4	70-130		5.62	20	
Methylene chloride	9.50		"	10.0		95.0	70-130		6.02	20	
Naphthalene	9.05		"	10.0		90.5	70-147		4.54	30	
n-Butylbenzene	9.83		"	10.0		98.3	79-132		4.47	30	
n-Propylbenzene	9.98		"	10.0		99.8	78-133		2.96	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
Batch BC91190 - EPA 5030B											
LCS Dup (BC91190-BSD1)								Prepared & Analyzed: 03/25/2019			
o-Xylene	10.2		ug/L	10.0		102	70-130		4.49	20	
p- & m- Xylenes	21.0		"	20.0		105	70-130		4.25	20	
p-Isopropyltoluene	9.40		"	10.0		94.0	81-136		1.06	30	
sec-Butylbenzene	9.61		"	10.0		96.1	79-137		2.37	30	
Styrene	9.51		"	10.0		95.1	70-130		2.59	20	
tert-Butylbenzene	9.13		"	10.0		91.3	77-138		2.38	30	
Tetrachloroethylene	6.45		"	10.0		64.5	70-130	Low Bias	1.25	20	
Toluene	10.2		"	10.0		102	70-130		5.69	20	
trans-1,2-Dichloroethylene	9.17		"	10.0		91.7	70-130		7.56	20	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	70-130		1.90	20	
Trichloroethylene	10.1		"	10.0		101	70-130		3.22	20	
Trichlorofluoromethane	9.61		"	10.0		96.1	40-160		6.64	20	
Vinyl Chloride	10.0		"	10.0		100	70-130		6.47	20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.66*		*"*	*10.0*		*96.6*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.9*		*"*	*10.0*		*109*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*70-130*				

Gas Chromatography/Flame Ionization Detector - 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 BC91165 - Preparation for GC Analysis											
Blank (BC91165-BLK1)											Prepared: 03/23/2019 Analyzed: 03/25/2019
Methane	ND	10	ug/L								
Ethane	ND	10	"								
Ethylene (Ethene)	ND	10	"								

Metals by ICP - 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 BC91137 - EPA 3015A											
Blank (BC91137-BLK1)									Prepared: 03/22/2019 Analyzed: 03/25/2019		
Iron - Dissolved	ND	0.278	mg/L								
LCS (BC91137-BS1)									Prepared: 03/22/2019 Analyzed: 03/25/2019		
Iron - Dissolved	1.13	0.278	mg/L	1.11		102	80-120				

Anions by Ion Chromatography - 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 BC90998 - EPA 300											
Blank (BC90998-BLK1)									Prepared & Analyzed: 03/20/2019		
Nitrate as N	ND	0.0500	mg/L								
Nitrite as N	ND	0.0500	"								
Sulfate	ND	1.00	"								
LCS (BC90998-BS1)									Prepared & Analyzed: 03/20/2019		
Nitrate as N	10.4	0.0500	mg/L	10.0		104	90-110				
Nitrite as N	10.2	0.0500	"	10.0		102	90-110				
Sulfate	10.5	1.00	"	10.0		105	85-115				

Wet Chemistry Parameters - 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 BC91016 - Analysis Preparation											
Blank (BC91016-BLK1)									Prepared & Analyzed: 03/21/2019		
Total Organic Carbon (TOC)	ND	1.00	mg/L								
LCS (BC91016-BS1)									Prepared & Analyzed: 03/21/2019		
Total Organic Carbon (TOC)	78.5	1.00	mg/L	76.4		103	79.5-125.1				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19C0772-01	MW-98-01A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0772-02	MW-98-04	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0772-03	MW-98-04B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0772-04	MW-98-05AR	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0772-05	MW-98-05BR	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0772-06	MW-45A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0772-07	MW-45B	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19C0772-08	MW-A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
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.

Revision Description: QA template

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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.

YORK Project No. 19C0772

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: WSP	Company:	Company:	31401451,000	RUSH - Next Day
Address: 4 Research Dr Ste 204 Shelton, CT 06484	Address:	Address:	YOUR Project Name: Rowe	RUSH - Two Day
Phone.: 203-929-8555	Phone.: SAME	Phone.: SAME		RUSH - Three Day
Contact: Tunde Sandor	Contact:	Contact:		RUSH - Four Day
E-mail: Tunde.Sandor@WSP.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Project Specs

Samples Collected by: (print your name above and sign below)

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ⋮ Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report; CT RCP; Standard Excel EDD
QA Report; CT RCP DQA/DUE; EQuIS (Standard)
NY ASP A Package; NJDEP Reduced Deliverables; NYSDEC EQuIS
NY ASP B Package; NJDKQP; 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-98-01A	GW	3/15/19 1112	VOCs + Freon 113, *Additional Parameters*	2x 250mL, 6x Vial
MW-98-04		1633		3x Vial
MW-98-04B		1607		3x Vial
MW-98-05AR		1203		2x 250mL, 6x Vial
MW-98-05BR		1305		3x Vial
~~MW-45A~~ MW-45A		1500		
MW-45B		1531		
MW-A		1203		2x 250mL, 6x Vial

Comments: * Additional Parameters Include: Sulfate, Ethane/Ethene/Methane, dissolved Iron, TOC, Nitrate + Nitrite
NYSE ASP bottles Field Filtered

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
WSP	3/20/19 851				
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by** Date/Time	**Temp. Received at Lab**
				Grace 3-20-19	0852 @ 3.0 Degrees C