PROJECT STATUS MEMORANDUM

TO: Pamela Tames, USEPA

FROM: Mark M. Goldberg, P.E.
Tunde H. Komuves-Sandor, PG, CPG

SUBJECT: Rowe Industries Superfund Site
NYS Site ID No. 152106
Groundwater Recovery and Treatment System
DRAFT May 2019 Status Report

DATE: July 22, 2019

WSP USA (WSP) commenced operation of the Full-Scale Pump and Treat (FSP&T) groundwater remediation system at the above-referenced site on December 17, 2002. Starting in September 2008, the groundwater recovered by the Focus Pump and Treat (FP&T) system was routed to the FSP&T system for treatment. As of 2014, the FSP&T system only treats water extracted from RW-2 and FRW-1, 2, 3 and 4; the other FSP&T recovery wells (RW-1, 3, 4, 5, 6, 7, 8, and 9) have been shut down with USEPA approval after achieving remediation standards. This status report presents a summary of performance, operation and maintenance for both systems and monitoring activities for the site from May 1, 2019 through May 31, 2019. The report includes a summary of system performance parameters, system operation parameters, and analytical results for groundwater, system effluent samples, and air quality results.

SUMMARY OF SYSTEM PERFORMANCE AND OPERATION

(May 1, 2019 through May 31, 2019)

1. Hours of operation during the reporting period:	699 hours (94.0%)
2. Alarm conditions during the reporting period:	See Table 1
3. Were the SPDES VOC discharge permit criteria achieved:	Yes, (see Table 2)
4. Total volume of water pumped during the reporting period:	1,868,211 gal.
5. Was the system effluent flow below the SPDES limit of 1,023,000 gpd:	Yes, (see Graph 1)
6. Mass of VOCs recovered during the reporting period:	0.09 pound (see Graph 2)
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	229.8 pounds

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

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

PUMP AND TREAT SYSTEM STATUS SUMMARY

The following table summarizes recovery well parameters for the operating recovery wells.

Well	Volume pumped (gal)	Total VOC Concentration (ug/L)
RW-2 [1/]	1,220,675	0.6
FRW-1 [2/]	5,311	38.7
FRW-2 [2]	79,632	3.5
FRW-3 [2/]	171,448	50.6
FRW-4 [2/]	182,934	1.0

[1/] The above table summarizes the parameters for RW-2 from May 1 to May 31, 2019.

[2/] The above table summarizes the parameters for the FRWs from May 3, 2019 to June 4, 2019.

From May 1 to May 3, 2019, mechanical well rehabilitation for FRW-2 and cleaning of the FSP&T and FP&T systems was completed. Details of the final three days of well rehabilitation and annual maintenance activities are provided in Table 1. On May 6, 2019, the liquid waste in the frac tank from well rehabilitation and annual maintenance activities was removed and disposed of at Tradebe, LLC. Later that week, the empty frac tank was removed from the Site by Cisco.

On May 20, 2019, the FRWs were not operating upon arrival and there was no alarm for this condition. The FP&T system was reset and the FRWs were restarted and the system appeared to operate normally. This situation will be monitored during the next scheduled O&M visit in June and if it happens again, an electrician will be contacted to conduct troubleshooting.

SUMMARY OF SAMPLING ACTIVITIES

May 2019 groundwater quality sampling was completed for the following wells:

- Monthly groundwater samples were collected from RW-2, FRW-1, FRW-2, FRW-3 and FRW-4 on May 6, 2019.

Tables 3 to 7 present a summary of the quality results for water samples collected from downgradient recovery well RW-2 and FRW-1, 2, 3, and 4. Graphs 3 to 7 present PCE concentrations for samples from RW-2 and FRW-1, 2, 3, and 4 for the last 24 months. Laboratory analytical reports for the water samples collected from the RWs are included as Appendix II.

The PCE, TCE, cis-DCE, VC and TCA concentrations in the groundwater sample collected from RW-2 were below the respective ARARs; concentrations at RW-2 have been below the ARARs for over eight years.

PCE concentrations in FRW-1 and 3 remain above the ARAR in May. The PCE concentration in the groundwater samples collected at FRW-2 and 4 were below the ARAR in May. The TCE, cis-DCE, TCA and VC concentrations in the groundwater samples collected at FRW-1, 2, 3 and 4 were below their respective ARARs in May.

Groundwater samples from RW-2 and the FRWs will continue to be collected and analyzed monthly.

FUTURE O&M ACTIVITIES

O&M activities scheduled for June 2019 include:

- Normal bi-weekly/monthly O&M activities.

MMG:nv
Attachments
cc: Brian Shuttleworth - Kraft Heinz Foods Company (as successor to Kraft Foods Group, Inc.) -.pdf
Kevin Kyrias-Gann, Ramboll -.pdf
Rebecca Spellissy, Ramboll -.pdf
Payson Long, NYSDEC-.pdf
Chief-Operation Maintenance and Support Section, NYSDEC-.pdf
Anthony Leung, RWM, R-1, NYSDEC-.pdf
Sundy Schermeyer, Town of Southampton, Town Clerk-.pdf
Mark Sergott, NYSDOH-.pdf
H:\NABIS\2019\Monthly Reports\May\Status_May_2019.docx

TABLES

TABLE 1

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

MAINTENANCE LOG
(May 1, 2019 through May 31, 2019)

Date	Time	System Changes/Modifications	Personnel
5/1/19		Mechanically brushing the well screen and surging the formation at FRW-2.	TS, Cisco
		Cleaned FP&T piping, holding tank, flow meters, below-grade piping from FP&T to FSP&T systems	TS, Cisco
5/2/19		Inspected and/or cleaned FSP&T system piping, effluent flow meter, EQ tank, transfer tank, bag filter housings and air stripper sump.	TS, Cisco
5/3/19		Finished cleaning FSP&T system and pumped wastewater and sediment to frac tank.	TS, Cisco
		Changed the multi-bag filter bags (400 um) in Banks 1 and 2, seven of eight housings used. Banks 1 and 2 left open. Bank 3 closed. Left System running normally.	TS, Cisco
5/6/19		Cleaned FRW flow meter paddle wheels. System operating normally.	EF
		Coordinate frac tank pick-up with Cisco and sign manifest.	EF, Cisco
5/20/19		Changed the multi-bag filter bags (400 um) in Banks 1 and 2, seven of eight housings used. Banks 1 and 2 left open. Bank 3 closed.	EF, SP
		Found FRWs not operating upon arrival and there was no alarm. Restarted and system appeared to restart normally. Monitor situation for next visit and if it happens again, contact an electrician to troubleshoot.	EF, SP
		Cleaned FRW flow meter paddle wheels.	EF, SP

Notes:

EF	Evan Foster, WSP USA
TS	Tunde Sandor, WSP USA
SP	Scott Philbrick, WSP USA
Cisco	Cisco Geotechnical, LLC

H:\NABIS\2019\Monthly Reports\May\Table 1 Maintenance Record_may.docx

TABLE 2

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

Effluent Water Quality Results

Date Sampled [2/]	pH [1/]	TDS [4/] (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**6.5 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
2-May-18	6.8	151	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	8.05	0.0492
5-Jun-18	6.8	138	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.252	ND<0.278
2-Jul-18	6.8	114	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.50	0.127
28-Aug-18	6.9	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.124	0.125
21-Sep-18	6.8	155	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	7.48	0.0369
5-Oct-18	6.9	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.66	ND<0.278
1-Nov-18	6.8	193	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.838	ND<0.278
5-Dec-18	6.9	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.845	ND<0.278
3-Jan-19	6.9	85	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.32	ND<0.278
1-Feb-19	6.9	126	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.641	ND<0.278
1-Mar-19	6.9	142	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	6.31	ND<0.278
2-Apr-19	6.9	153	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.27	ND<0.278
6-May-19	6.9	175	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.37	ND<0.278

SPDES: State Pollutant Discharge Elimination System
mg/l: Milligrams per liter
ug/l: Micrograms per liter
----: Not established
NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
1,1,1-TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
trans-1,2,-DCE: trans-1,2-Dichloroethene

J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ND: Not detected NA: Not Analyzed

Notes:
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH of the effluent sample collected on May 20, 2019 was 6.9.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month in accordance with the SPDES requirements.
4. The laboratory mistakenly forgot to analyze the system effluent sample collected on August 28, 2018 for total dissolved solids (TDS).
5. The pH was inadvertently not measured.

TABLE 3

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

Recovery Well Water Quality Results

Recovery Well [1/]	Date Sampled	PCE (ug/L)	TCE (ug/L)	TCA (ug/L)	Chloroform (ug/L)	MTBE (ug/L)	1,1-Dichloro-ethane (ug/L)	cis-1,2-Dichloro-ethene (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene Chloride (ug/L)	Toluene (ug/L)	Benzene (ug/L)	m,p-Xylene (ug/L)	o-Xylene (ug/L)
	ARAR's	**5**	**5**	**5**	**7**	**NE**	**5**	**5**	**5**	**5**	**NE**	**NE**	**5**	**5**
RW-2	2-Feb-17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Mar-17	0.28 J	0.47 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	7-Apr-17	0.53	0.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	11-May-17	0.54	0.37 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.28 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Jun-17	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	6-Jul-17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Aug-17	0.23 J	0.26 J	ND<0.5	0.24 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Sep-17	0.23 J	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	4-Oct-17	0.24 J	0.34 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-17	0.31 J	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Dec-17	0.27 J	0.42 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	3-Jan-18	0.28 J	0.70	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Feb-18	0.33 J	0.59	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Mar-18	0.41 J	0.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Apr-18	0.28 J	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-May-18	0.32 J	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Jun-18	0.21 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Jul-18	0.22 J	ND<0.5	ND<0.5	0.28 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	28-Aug-18	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	21-Sep-18	0.370	0.260	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Oct-18	0.250	ND<0.5	ND<0.5	0.370	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Nov-18	ND<0.5	ND<0.5	ND<0.5	0.290	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Dec-18	0.300 C,S	0.380	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	3-Jan-19	0.320	0.310	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Feb-19	0.380	0.360 Q	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Mar-19	0.320	0.200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Apr-19	0.270 Q	0.320	ND<0.5	0.280	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	0.220	ND<0.5	ND<1	ND<0.5
	6-May-19	0.340	0.270	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

PCE: Tetrachloroethylene
TCE: Trichloroethylene
TCA: 1,1,1-Trichloroethane
MTBE: Methyl-tertiary-butyl-ether
NS: Not sampled

ND: Not detected
<#: Less than method detection limit
ug/L: Micrograms per liter
-: Not analyzed
J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
C = CCV-E: The value reported is estimated The value is estimated due to its behavior during continuing calibration verification.
S = SCAL-E: The value reported is estimated. The value is estimated due to its behavior during initial calibration.
Q = QL-02: This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
ARAR's are chemical specific aquifer restoration goals for ground water at the Former Rowe Industries Superfund Site.
NE indicates that the ARAR goal was not established for this compound by the EPA.
Bold values indicate an exceedence of the ARAR standard established for the site.
[1/] In September 2016, the EPA granted approval to discontinue groundwater sampling at RW-1, RW-5, RW-7, RW-8 and RW-9.

TABLE 4

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

Recovery Well FRW-1 VOC Concentrations, micrograms per liter

FRW-1										
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**11DCA**	**124TCB**	**Toluene**	**Bromomethane**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**5** [1/]	**5**	**5** [1/]	**NE**
3-May-17	**200**	2.0	2.3	ND<0.5	2.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.0
1-Jun-17	**94**	2.5	4.5	ND<0.5	0.55	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017										
6-Jul-17	3.6	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 31 to August 28, 2017										
1-Aug-17 [2/]	**16**	0.41 J	0.44 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Sep-17	**34**	0.93	2.9	ND<0.5	0.22 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017										
4-Oct-17	**56**	1.7	**7.8**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017										
1-Nov-17	**72**	1.3	1.7	ND<0.5	0.37 C,J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to December 5, 2017										
5-Dec-17	**55**	1.5	3.4	ND<0.5	0.4 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
FRW-1 was off from December 6 to 12 and December 24, 2017 to February 9, 2018										
1-Feb-18	**63**	**7.4**	**28**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
1-Mar-18	**110**	**2.7**	1.8	ND<0.5	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018										
2-Apr-18	**83**	0.31 J	ND<0.5	ND<0.5	0.25 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2 C,S,J
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018										
2-May-18	**97**	0.86	0.46 J	ND<0.5	0.75	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018										
20-Jun-18	**25**	0.76	0.68	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
2-Jul-18	**22**	0.66	0.60	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018										
28-Aug-18 [3/4]	**7.26**	4.16	**9.05 C**	0.220	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11.1 I
21-Sep-18	**20.2**	1.25	2.43	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Oct-18	1.19	ND<0.5	0.280	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 27 to October 29, 2018										
1-Nov-18	**5.12**	0.780	3.30	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Dec-18	**43.0 C,S**	1.06	0.74	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
3-Jan-19	**18.8**	0.450	0.290	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from January 5 to January 15, 2019										
1-Feb-19	**61.2**	0.550	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from February 18 to March 1, 2019										
19-Mar-19	**13.4 I**	0.770	0.450	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
2-Apr-19	**48.9**	1.28	2.16	0.260	0.230	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from May 1, 2019 to May 3, 2019										
6-May-19	**32.2**	0.240	0.250	ND<0.5	ND<0.5	ND<0.5	0.470	0.210	ND<0.5	ND<2

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.
3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in laboratories was detected in the groundwater sample at 278 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates. This is not a compound typically detected in groundwater samples from the site. Turned wells on only long enough to collect sample.
4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

J : Analyte detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated conentration.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
C = CCV-E: The value reported is estimated The value is estimated due to its behavior during continuing calibration verification.
S = SCAL-E: The value reported is estimated. The value is estimated due to its behavior during initial calibration (average RF>20%).

I = ICV-E: The value reported is estmated. The value is estimated due to its behavior durig initial calibration verification (recovery exceeded 30% of expected value).

ND: Not detected
ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports

PCE: Tetracholoethylene
cis12DCE: cis-1,2-Dichloroethene
TCA: 1,1,1-Trichloroethane
124TCB: 1,2,4-Trimethylbenzene
TCE: Trichloroethene
VC: Vinyl Chloride
11DCA: 1,1-Dichloroethane

TABLE 5

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

Recovery Well FRW-2 VOC Concentrations, micrograms per liter

FRW-2								
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**Toluene**	**2-Hexanone**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**NE**	**NE**
3-May-17	**68**	**11**	**9.3**	ND<0.5	0.35 J	ND<0.5	ND<0.5	2.4
1-Jun-17	**16**	1.0	0.92	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRW-2 was off from June 7 to June 9 and from June 21 to 29, 2017								
6-Jul-17	0.57	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.8 S,J
The FRWs were off from July 31 to August 28, 2017								
1-Aug-17 [2/]	**7.0**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.1 S
5-Sep-17	**33**	0.85	0.59	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017								
4-Oct-17	**50**	2.7	0.91	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.0
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017								
1-Nov-17	**45**	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017								
5-Dec-17	**38**	3.4	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018								
1-Feb-18	**37**	3.2	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.8
1-Mar-18	**48**	0.68	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018								
2-Apr-18	**140**	1.2	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018								
2-May-18	**29**	0.92	0.29 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	4.6
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018								
20-Jun-18	3.8	1.4	0.44 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
2-Jul-18	3.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018								
28-Aug-18 [3/4]	ND<0.5	0.300	**29.0 C**	**2.48**	ND<0.5	0.510	ND<0.5	ND<2
21-Sep-18	**11.9**	1.83	**14.5**	0.730	ND<0.5	ND<0.5	ND<0.5	2.06
5-Oct-18	1.86	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 27 to October 29, 2018								
1-Nov-18	3.20	0.610	0.950	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Dec-18	**19.1 C,S**	0.590	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.00 C
3-Jan-19	**13.8**	0.670	1.69	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from January 5 to January 15, 2019								
1-Feb-19	**16.2**	0.980	1.00	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from February 18 to March 1, 2019								
19-Mar-19	**15.2 I**	0.950	1.54	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
2-Apr-19	**13.8 Q**	0.470	0.990	ND<0.5	ND<0.5	0.280	ND<0.5	ND<2
The FRWs were off from May 1, 2019 to May 3, 2019								
6-May-19	3.46	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.
3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in laboratories was detected in the groundwater sample at 204 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates. This is not a compound typically detected in groundwater samples from the site. Turned wells on only emporarily to collect groundwater sample.
4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.
J : Analyte detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated conentration.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
C = CCV-E: The value reported is estimated The value is estimated due to its behavior during continuing calibration verification.
S = SCAL-E: The value reported is estimated. The value is estimated due to its behavior during initial calibration (average RF>20%)..
I = ICV-E: The value reported is estmated. The value is estimated due to its behavior durig initial calibration verification (recovery exceeded 30% of expected value).
Q = QL-02: The analyte is outside Laboratory Recovery limits due to the analyte behavior using the reference method. The reference method has certain limitations with respect to analytes of this nature.
ND: Not detected

Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal to the method detection limit (MDL). A value reported below the RL but above the MDL is considered an estimated value and flagged with a "J". The calibration curve was adjusted to a reporting limit of 0.5 ug/l during October 2011.

PCE: Tetrachloroethylene
cis12DCE: cis-1,2-Dichloroethene
TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
VC: Vinyl chloride

TABLE 6

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

Recovery Well FRW-3 VOC Concentrations, micrograms per liter

FRW-3												
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**11DCA**	**TCA**	**135TMB**	**IPB**	**NPB**	**Toluene**	**2-Hexanone**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**5**	**5** [1/]	**5** [1/]	**5** [1/]	**5**	**NE**	**NE**
11-May-17	**130**	**5.8**	**8.5**	0.24 J	ND<0.5	0.35 J	ND<0.5	0.35 J	0.30 J	ND<0.5	ND<0.5	ND<2
FRW-3 was off from o May 17 to June 1, 2017												
1-Jun-17	**83**	**5.8**	**12**	0.37 J	ND<0.5	ND<0.5	ND<0.5	0.38 J	0.38 J	ND<0.5	ND<0.5	1.0 C,J,B
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017												
6-Jul-17	3.4	0.70	1.8	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.4 S
The FRWs were off from July 31 to August 28, 2017												
1-Aug-17 [2/]	**35**	1.9	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.6 S,J
5-Sep-17	**15**	1.7	**6.1**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017												
4-Oct-17	**21**	**6.0**	**15**	1.2 C	ND<0.5	ND<0.5	ND<0.5	0.48 C,J	0.40 C,J	ND<0.5	ND<0.5	2.7
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017												
1-Nov-17	**17**	1.2	3.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.33 J	0.30 J	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017												
5-Dec-17	**37**	1.8	2.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.37 J	0.33 J	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018												
1-Feb-18	**22**	2.0	3.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<0.5	ND<2
1-Mar-18	**120**	**7.9**	**18**	ND<0.5	0.26 J	0.65	ND<0.5	0.49 J	0.34 J	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018												
2-Apr-18	**170**	4.5	**7.9**	0.25 C,J	ND<0.5	0.71	ND<0.5	0.20 J	ND<0.5	ND<0.5	ND<0.5	1.2 C,S,J
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018												
2-May-18	**140**	**9.4**	**11**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018												
20-Jun-18	**39**	**6.8**	4.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.5 J
2-Jul-18	**49**	1.4	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018												
28-Aug-18 [3/]	**6.16**	0.990	**20.3 C**	0.840	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	6.77 I
21-Sep-18	**19.6**	2.99	**19.8**	**2.04**	ND<0.5	ND<0.5	ND<0.5	0.220 J	0.300 J	ND<0.5	ND<0.5	1.53
5-Oct-18	0.730	0.530	4.31	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 27 to October 29, 2018												
1-Nov-18	2.89	0.810	3.37	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Dec-18	**109 C,S**	**6.83**	**6.98**	ND<0.5	ND<0.5	0.570	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.97 C
3-Jan-19	**89.4**	2.41	**7.30**	ND<0.5	ND<0.5	0.420	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from January 5 to January 15, 2019												
1-Feb-19	**76.4**	1.41	3.69	ND<0.5	ND<0.5	0.330	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
FRW-3 was off from February 18 to April 30, 2019												
19-Mar-19 [4/]	**38.8 I**	1.03	3.93	ND<0.5	ND<0.5	0.240	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
29-Apr-19 [4/]	**20.2 I**	0.550	1.17	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.24
The FRWs were off from May 1, 2019 to May 3, 2019												
6-May-19	**44.4**	1.20	2.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.200	0.500	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.

1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.

2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.

3. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

4. The FRW-3 pump is inoperable; therefore, the groundwater sample was collected using low-flow sampling techniques during the March and April 2019 groundwater sampling events.

J : Analyte detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated conentration.

B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.

C = CCV-E: The value reported is estimated The value is estimated due to its behavior during continuing calibration verification.

S = SCAL-E: The value reported is estimated. The value is estimated due to its behavior during initial calibration (average RF>20%).

I = ICV-E: The value reported is estmated. The value is estimated due to its behavior durig initial calibration verification (recovery exceeded 30% of expected value).

ND: Not detected

Comments:

As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal to the method detection limit (MDL). A value reported below the RL but above the MDL is considered an estimated value and flagged with a "J". The calibration curve was adjusted to a reporting limit of 0.5 ug/l during October 2011.

PCE: Tetrachloroethylene
cis12DCE: cis-1,2-Dichloroethene
11DCA: 1,1-Dichloroethane
135TMB: 1,3,5-Trimethylbenzene
NPB: n-Propylbenzene
TCE: Trichloroethene
VC: Vinyl Chloride
TCA: 1,1,1-Trichloroethane
IPB: Isopropylbenzene

TABLE 7

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

Recovery Well FRW-4 VOC Concentrations, micrograms per liter

FRW-4						
Date	**PCE**	**TCE**	**cis12DCE**	**VC**	**TCA**	**Acetone**
ARARs	**5**	**5**	**5**	**2** [1/]	**5**	**NE**
3-May-17	**40**	3.5	**15**	ND<0.5	0.42 J	2.1
1-Jun-17	**8.8**	0.5	2.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from June 7 to June 9 and from June 21 to 23, 2017						
6-Jul-17	0.27 J	ND<0.5	0.28 J	ND<0.5	ND<0.5	1.1 S,J
The FRWs were off from July 31 to August 28, 2017						
1-Aug-17 [2/]	0.80	ND<0.5	0.28 J	ND<0.5	ND<0.5	1.6 S,J
5-Sep-17	2.7	0.42 J	0.51	ND<0.5	ND<0.5	ND<2
The FRWs were off from September 13 to 19 and from September 27 to October 4, 2017						
4-Oct-17	**9.8**	3.9	4.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from October 11 to October 16, 2017 and October 29 to 31, 2017						
1-Nov-17	3.0	0.32 J	0.78	ND<0.5	ND<0.5	ND<2
The FRWs were off from November 12 to 16, 2017 and November 26 to 27, 2017						
5-Dec-17	**5.1**	ND<0.5	1.0	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 24, 2017 to February 9, 2018						
1-Feb-18	**21**	2.5	**7.0**	ND<0.5	0.27 J	2.5 S
1-Mar-18	3.0	ND<0.5	0.47 J	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 15 and 26, 2018 and March 27 and 29, 2018						
2-Apr-18	3.2	ND<0.5	1.0	ND<0.5	0.32 J	ND<2
The FRWs were off between April 17 and 23, 2018 and April 26 and May 2, 2018						
2-May-18	**19**	ND<0.5	1.1	ND<0.5	ND<0.5	ND<2
The FRWs were off from May 20 to June 5, 2018 and June 18 to 20, 2018						
20-Jun-18	1.4	0.22 J	ND<0.5	ND<0.5	ND<0.5	1.5 J
2-Jul-18	1.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from July 2 to September 21, 2018						
28-Aug-18 [3/4]	ND<0.5	0.450	4.95 C	ND<0.5	ND<0.5	10.3 I
21-Sep-18	4.21	1.02	1.38	ND<0.5	ND<0.5	ND<2
5-Oct-18	0.260	ND<0.5	0.630	ND<0.5	ND<0.5	1.23 C,S
The FRWs were off from October 27 to October 29, 2018						
1-Nov-18	0.870	0.280	1.49	ND<0.5	ND<0.5	ND<2
5-Dec-18	2.36 C,S	0.45	0.650	ND<0.5	ND<0.5	ND<2
3-Jan-19	1.28	ND<0.5	0.960	ND<0.5	ND<0.5	ND<2
The FRWs were off from January 5 to January 15, 2019						
1-Feb-19	1.22	ND<0.5	0.200	ND<0.5	ND<0.5	ND<2
The FRWs were off from February 18 to March 1, 2019						
19-Mar-19	1.02 I	ND<0.5	0.490	ND<0.5	ND<0.5	ND<2
2-Apr-19	1.38 Q	ND<0.5	2.05	ND<0.5	ND<0.5	ND<2
The FRWs were off from May 1, 2019 to May 3, 2019						
6-May-19	0.800	ND<0.5	0.230	ND<0.5	ND<0.5	ND<2

ARARs - Applicable Relevant and Appropriate Requirements for aquifer restoration established for the Site.
1. NYSDEC ambient water quality standards for these compounds are presented because site-specific ARARs for these compounds were not established.
2. The FP&T system was not operating because of a malfunctioning transfer pump. The FRWs were turned on manually to collect a groundwater sample.
3. Tetrahydrofuran, a common industrial solvent for polyvinyl chloride (PVC) and a component in varnishes, and a popular solvent used in laboratories was detected in the groundwater sample at 308 ug/L. However it was not detected in the laboratory blank or the laboratory duplicates. This is not a compound typically detected in groundwater samples from the site.
4. Other non-target COCs (tert-butyl alcohol, 2-butanone and/or acetone) were detected in the August 28, 2018 sample. For the case of acetone, this is a common laboratory artifact. The detections of the remaining non-target COCs is most likely attributed to collecting the sample that remained in close contact with PVC pipes for an extended time (i.e. from July 2 to August 28, 2018). Other than acetone, non-target COCs were not detected to any significant degree in the groundwater sample collected on September 21, 2018.

J : Analyte detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated conentration.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
C = CCV-E: The value reported is estimated The value is estimated due to its behavior during continuing calibration verification.
S = SCAL-E: The value reported is estimated. The value is estimated due to its behavior during initial calibration (average RF>20%).
I = ICV-E: The value reported is estmated. The value is estimated due to its behavior durig initial calibration verification (recovery exceeded 30% of expected value).
Q = QL-02: The analyte is outside Laboratory Recovery limits due to the analyte behavior using the reference method. The reference method has certain limitations with respect to analytes of this nature.
ND: Not detected

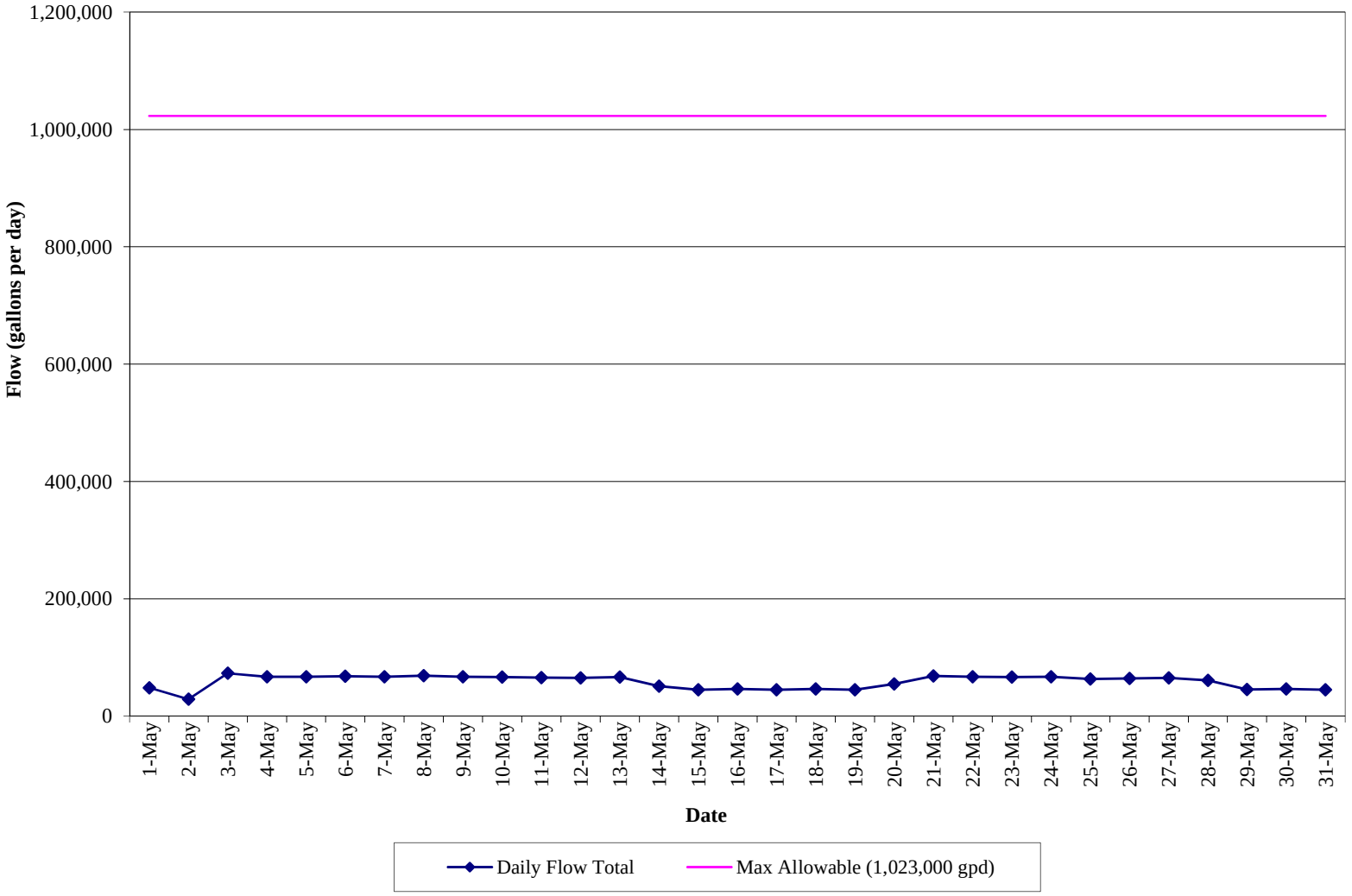
Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal to the method detection limit (MDL). A value reported below the RL but above the MDL is considered an estimated value and flagged with a "J". The calibration curve was adjusted to a reporting limit of 0.5 ug/l during October 2011.

PCE: Tetrachloroethylene
TCE: Trichloroethene
cis12DCE: cis-1,2-Dichloroethene
VC: Vinyl Chloride
TCA: 1,1,1-Trichloroethane

GRAPHS

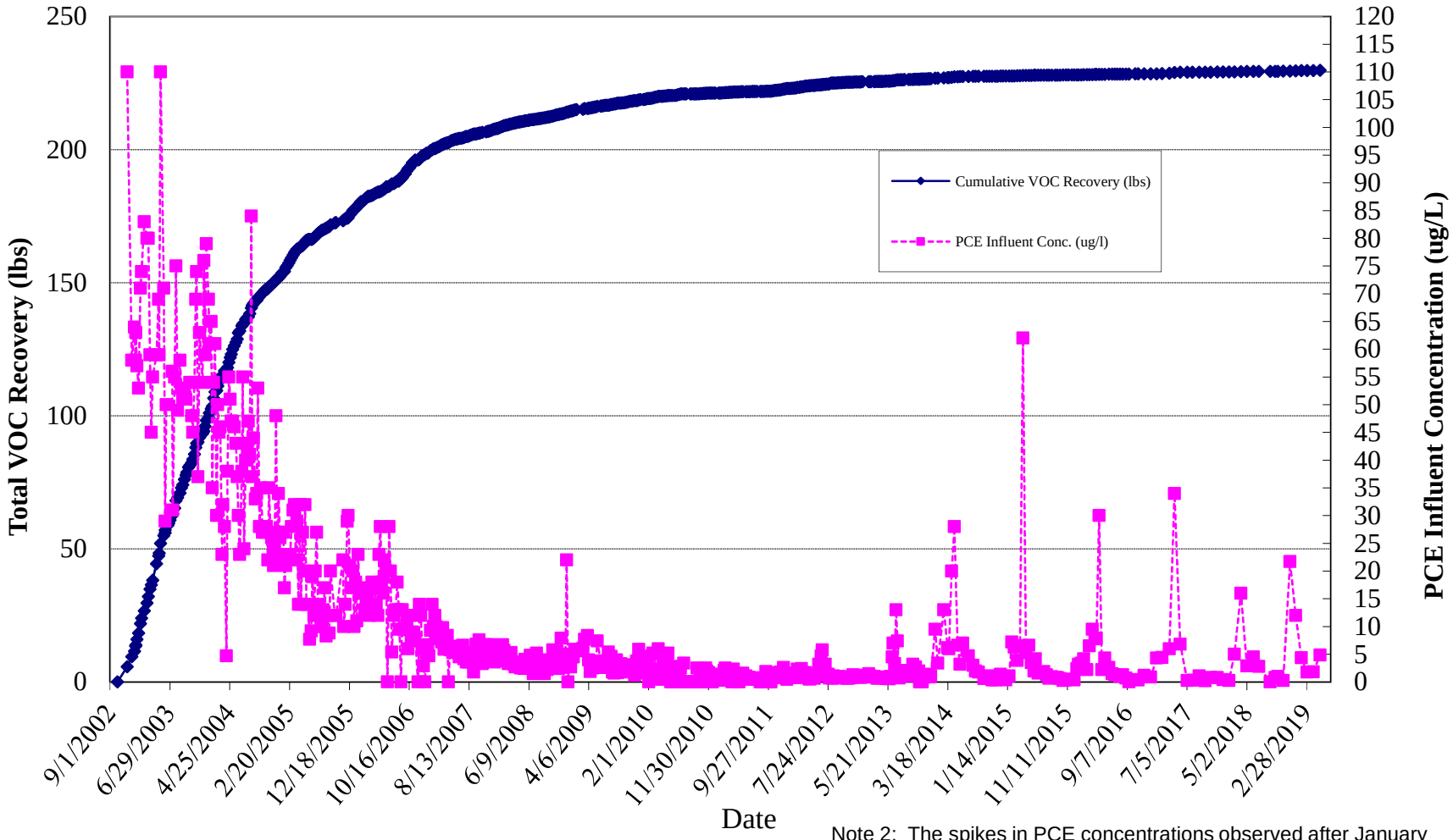
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(May 1, 2019 to May 31, 2019)



GRAPH 2
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T System Cumulative VOC Recovery and Influent PCE Concentrations vs. Time



Note 1 : After September 22, 2008, the water recovered from the FP&T System is included in the results shown in this graph.

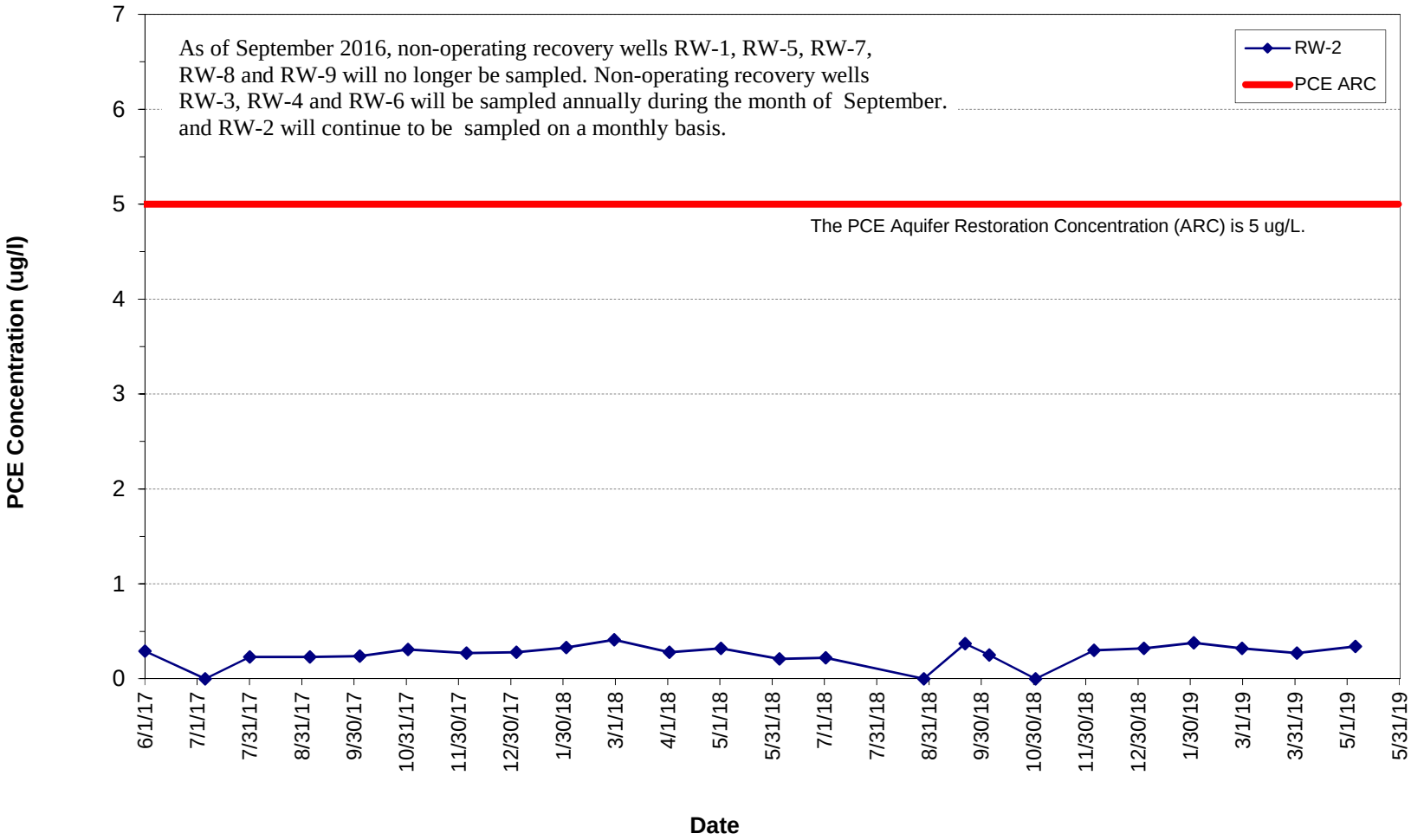
Note 2: The spikes in PCE concentrations observed after January 2014 coincide with well rehabilitation and annual maintenance events. During well rehabilitation and annual maintenance work, FSP&T system samples are collected when water from the FP&T system is not diluted with water extracted from RW-2.

WSP USA

GRAPH 3

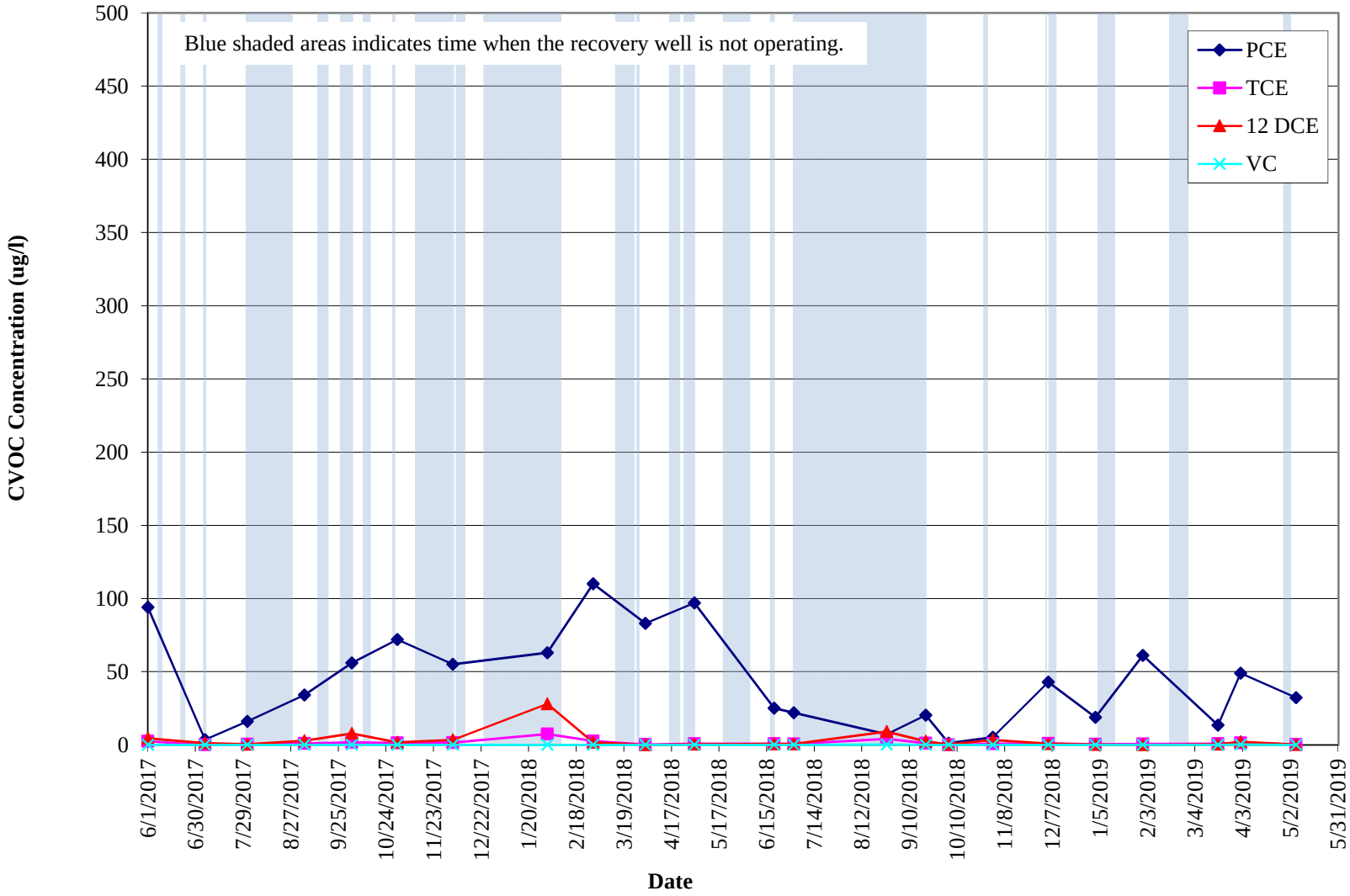
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration



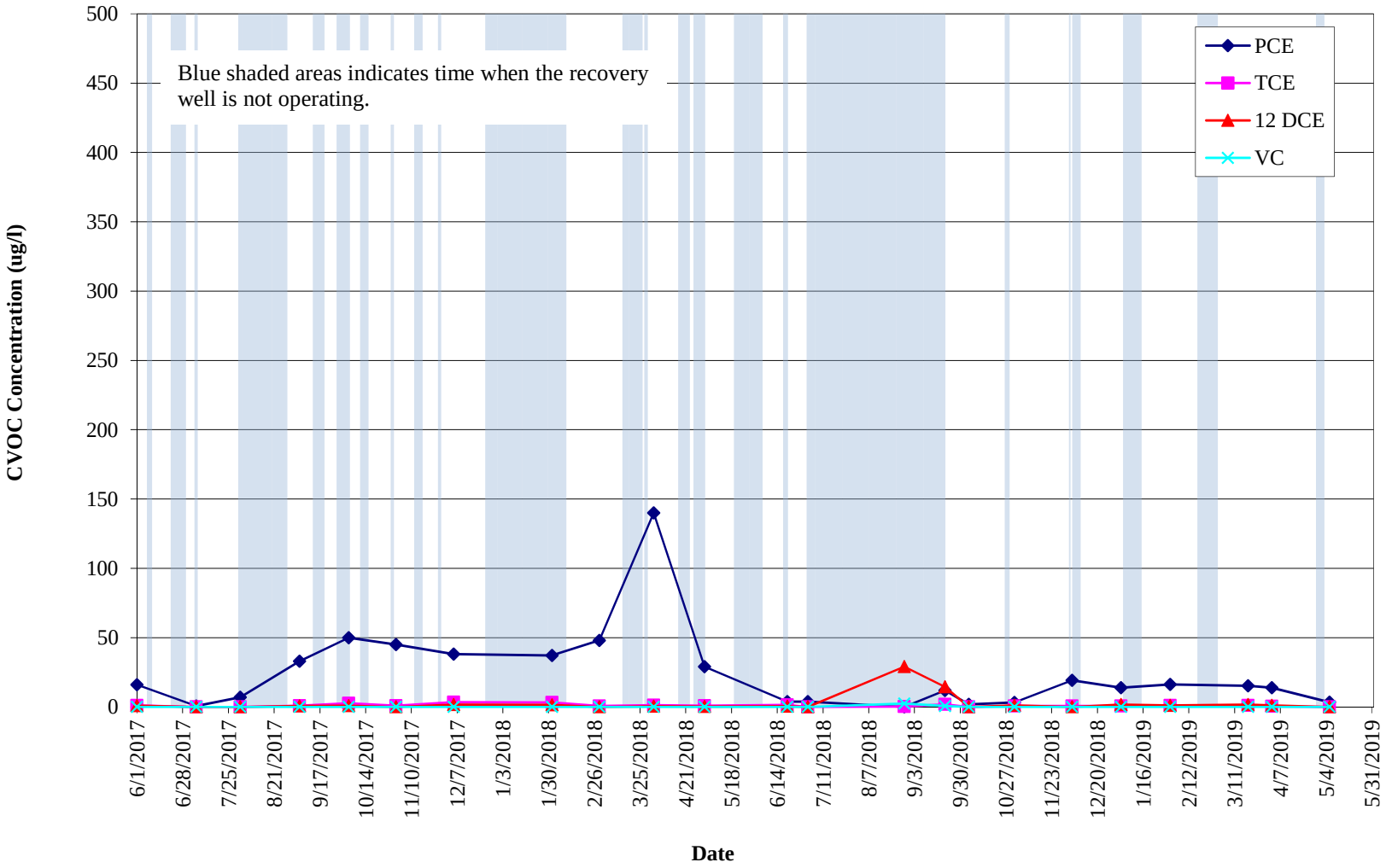
GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1



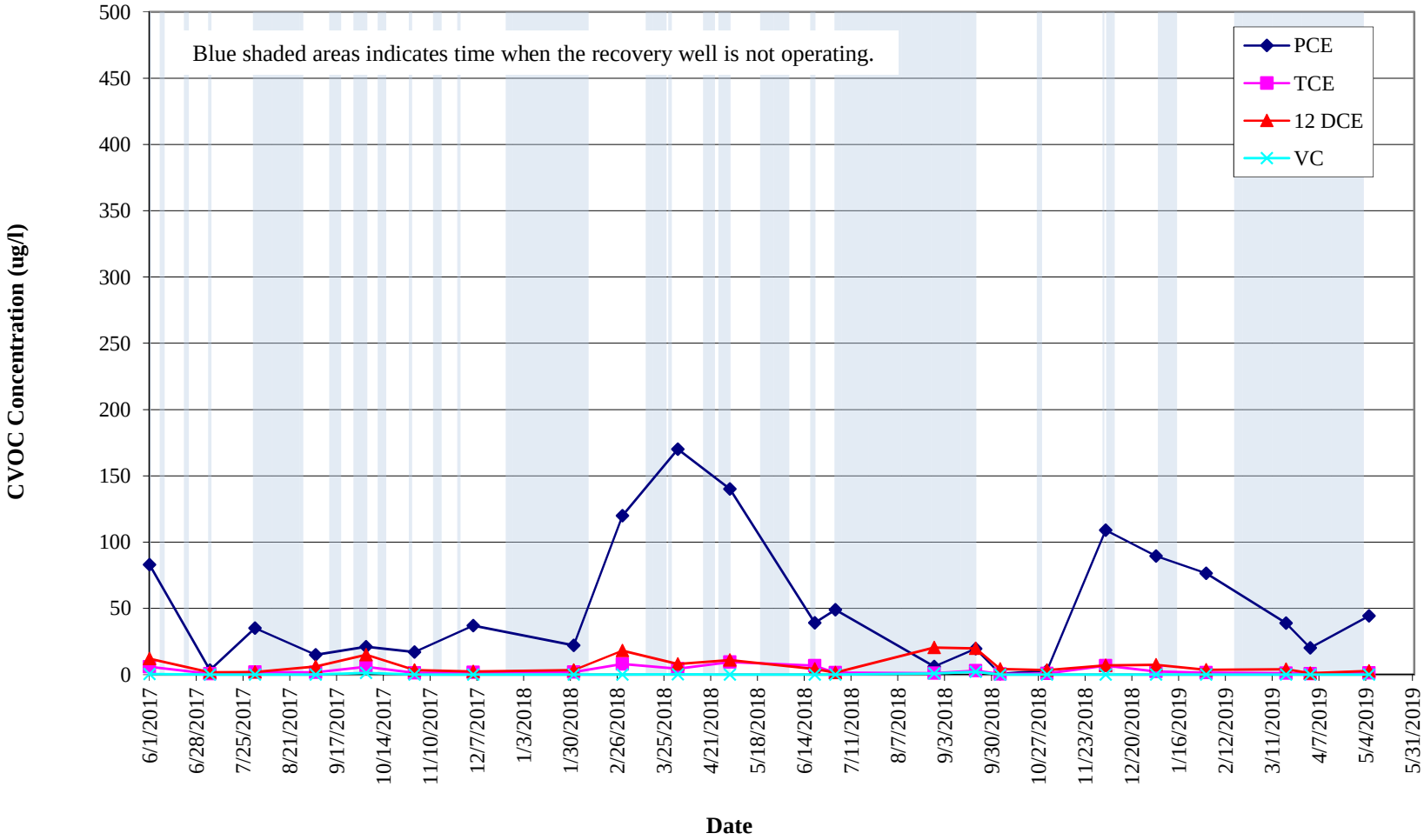
GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-2



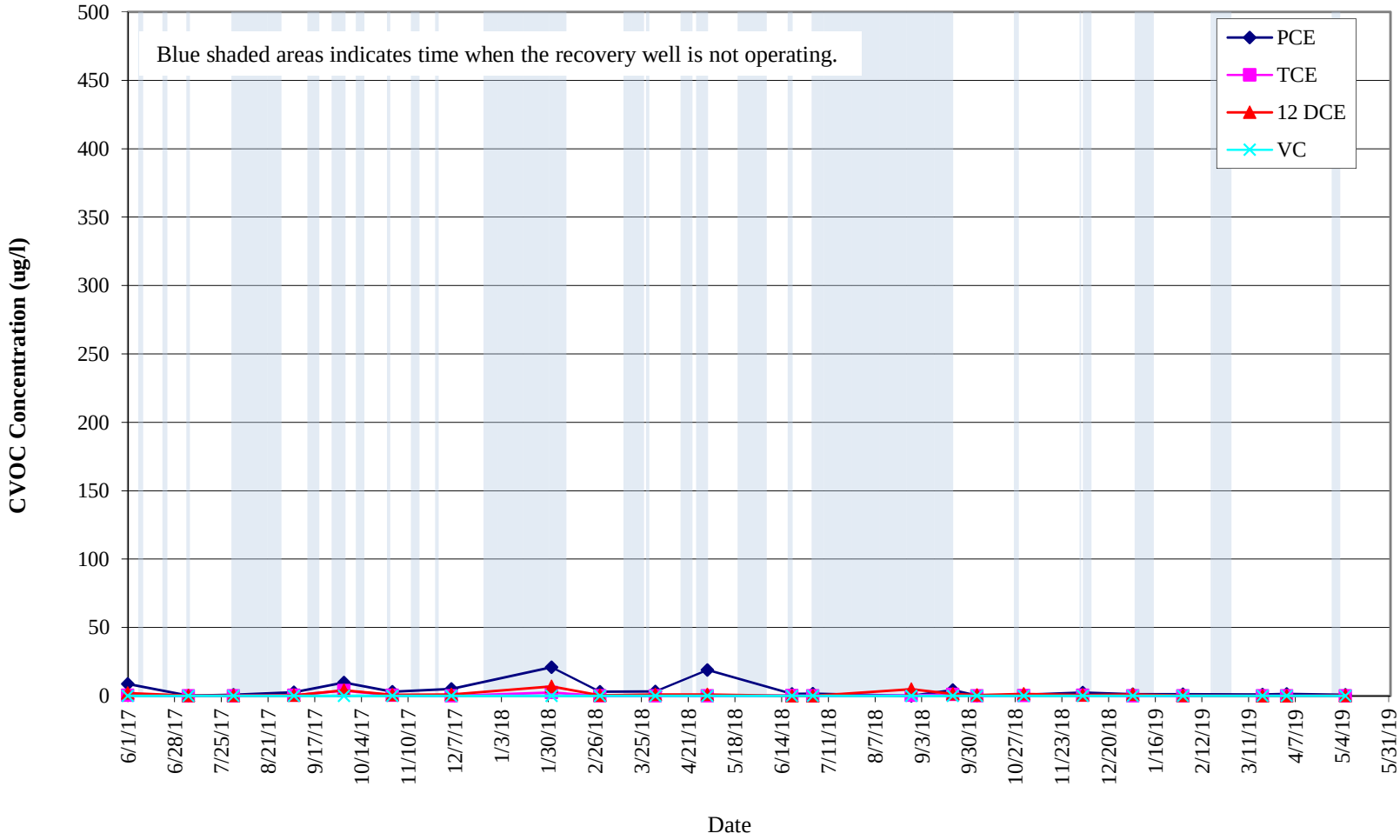
GRAPH 6
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



GRAPH 7
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-4



APPENDIX I
MAY 2019 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM

Technical Report

prepared for:

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

Report Date: 05/15/2019
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 19E0338

Report Date: 05/15/2019
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 19E0338

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 May 08, 2019 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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.

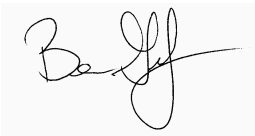
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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
19E0338-01	WQ050619: 1230 NP2-6	Water	05/06/2019	05/08/2019
19E0338-02	WQ050619: 1235 NP2-10	Water	05/06/2019	05/08/2019

General Notes for York Project (SDG) No.: 19E0338

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: 05/15/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ050619: 1230 NP2-6 **York Sample ID:** 19E0338-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0338	31401451.000 task 01.00	Water	May 6, 2019 12:30 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2019 17:53	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP

Sample Information

Client Sample ID: WQ050619: 1230 NP2-6 **York Sample ID:** 19E0338-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0338	31401451.000 task 01.00	Water	May 6, 2019 12:30 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
156-59-2	**cis-1,2-Dichloroethylene**	**0.490**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:53	TMP

Sample Information

Client Sample ID: WQ050619: 1230 NP2-6 **York Sample ID:** 19E0338-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0338	31401451.000 task 01.00	Water	May 6, 2019 12:30 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**4.85**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	**Trichloroethylene**	**0.330**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:53 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.5 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*70-130*

Sample Information

Client Sample ID: WQ050619: 1235 NP2-10 | **York Sample ID:** 19E0338-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0338	31401451.000 task 01.00	Water	May 6, 2019 12:35 pm	05/08/2019

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2019 14:08	05/10/2019 18:22	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:08	05/10/2019 18:22	TMP

Sample Information

Client Sample ID: WQ050619: 1235 NP2-10 **York Sample ID:** 19E0338-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0338	31401451.000 task 01.00	Water	May 6, 2019 12:35 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 18:22	TMP

Sample Information

Client Sample ID: WQ050619: 1235 NP2-10 **York Sample ID:** 19E0338-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0338	31401451.000 task 01.00	Water	May 6, 2019 12:35 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 18:22 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.9 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*70-130*

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: WQ050619: 1235 NP2-10 **York Sample ID:** 19E0338-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0338	31401451.000 task 01.00	Water	May 6, 2019 12:35 pm	05/08/2019

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.374**		mg/L	0.278	1	EPA 200.7	05/08/2019 21:37	05/10/2019 13:34	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

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	05/14/2019 17:12	05/15/2019 13:06	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**175**		mg/L	10.0	1	SM 2540C	05/09/2019 14:58	05/10/2019 18:45	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BE90529 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19E0338-02	WQ050619: 1235 NP2-10	05/08/19
BE90529-BLK1	Blank	05/08/19
BE90529-BS1	LCS	05/08/19

Batch ID: BE90565 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19E0338-01	WQ050619: 1230 NP2-6	05/10/19
19E0338-02	WQ050619: 1235 NP2-10	05/10/19
BE90565-BLK1	Blank	05/10/19
BE90565-BS1	LCS	05/10/19
BE90565-BSD1	LCS Dup	05/10/19

Batch ID: BE90595 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
19E0338-02	WQ050619: 1235 NP2-10	05/09/19
BE90595-BLK1	Blank	05/09/19

Batch ID: BE90852 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19E0338-02	WQ050619: 1235 NP2-10	05/14/19
BE90852-BLK1	Blank	05/14/19
BE90852-BS1	LCS	05/14/19

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 BE90565 - EPA 5030B											
Blank (BE90565-BLK1)											Prepared & Analyzed: 05/10/2019
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	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	0.210	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 BE90565 - EPA 5030B											
Blank (BE90565-BLK1)								Prepared & Analyzed: 05/10/2019			
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	*9.73*		*"*	*10.0*		*97.3*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*70-130*				
LCS (BE90565-BS1)								Prepared & Analyzed: 05/10/2019			
1,1,1,2-Tetrachloroethane	8.97		ug/L	10.0		89.7	82-126			30	
1,1,1-Trichloroethane	9.77		"	10.0		97.7	70-130			20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	70-130			20	
1,1,2-Trichloroethane	9.25		"	10.0		92.5	70-130			20	
1,1-Dichloroethane	9.50		"	10.0		95.0	70-130			20	
1,1-Dichloroethylene	9.46		"	10.0		94.6	70-130			20	
1,1-Dichloropropylene	9.62		"	10.0		96.2	83-133			30	
1,2,3-Trichlorobenzene	5.43		"	10.0		54.3	70-130	Low Bias		20	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128			30	
1,2,4-Trichlorobenzene	6.78		"	10.0		67.8	70-130	Low Bias		20	
1,2,4-Trimethylbenzene	9.96		"	10.0		99.6	82-132			20	
1,2-Dibromo-3-chloropropane	8.45		"	10.0		84.5	40-160			20	
1,2-Dibromoethane	9.28		"	10.0		92.8	70-130			20	
1,2-Dichlorobenzene	9.85		"	10.0		98.5	70-130			20	
1,2-Dichloroethane	8.75		"	10.0		87.5	70-130			20	
1,2-Dichloropropane	9.24		"	10.0		92.4	70-130			20	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131			30	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	70-130			20	
1,3-Dichloropropane	9.47		"	10.0		94.7	81-125			30	
1,4-Dichlorobenzene	9.90		"	10.0		99.0	70-130			20	
2,2-Dichloropropane	9.43		"	10.0		94.3	56-150			30	
2-Chlorotoluene	10.2		"	10.0		102	79-130			30	
2-Hexanone	9.38		"	10.0		93.8	40-160			20	
4-Chlorotoluene	10.2		"	10.0		102	79-128			30	
Acetone	9.63		"	10.0		96.3	40-160			20	
Benzene	9.77		"	10.0		97.7	70-130			20	
Bromobenzene	10.2		"	10.0		102	78-129			30	
Bromochloromethane	9.61		"	10.0		96.1	70-130			20	
Bromodichloromethane	8.96		"	10.0		89.6	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 BE90565 - EPA 5030B											
LCS (BE90565-BS1)								Prepared & Analyzed: 05/10/2019			
Bromoform	8.32		ug/L	10.0		83.2	70-130			20	
Bromomethane	9.07		"	10.0		90.7	40-160			20	
Carbon tetrachloride	9.22		"	10.0		92.2	70-130			20	
Chlorobenzene	9.46		"	10.0		94.6	70-130			20	
Chloroethane	8.36		"	10.0		83.6	40-160			20	
Chloroform	9.48		"	10.0		94.8	70-130			20	
Chloromethane	9.40		"	10.0		94.0	40-160			20	
cis-1,2-Dichloroethylene	9.73		"	10.0		97.3	70-130			20	
cis-1,3-Dichloropropylene	9.05		"	10.0		90.5	70-130			20	
Dibromochloromethane	8.98		"	10.0		89.8	70-130			20	
Dibromomethane	9.20		"	10.0		92.0	72-134			30	
Dichlorodifluoromethane	10.8		"	10.0		108	40-160			20	
Ethyl Benzene	9.86		"	10.0		98.6	70-130			20	
Hexachlorobutadiene	6.52		"	10.0		65.2	67-146	Low Bias		30	
Isopropylbenzene	10.8		"	10.0		108	70-130			20	
Methyl tert-butyl ether (MTBE)	9.25		"	10.0		92.5	70-130			20	
Methylene chloride	10.9		"	10.0		109	70-130			20	
Naphthalene	5.71		"	10.0		57.1	70-147	Low Bias		30	
n-Butylbenzene	9.21		"	10.0		92.1	79-132			30	
n-Propylbenzene	10.8		"	10.0		108	78-133			30	
o-Xylene	9.40		"	10.0		94.0	70-130			20	
p- & m- Xylenes	19.5		"	20.0		97.5	70-130			20	
p-Isopropyltoluene	9.99		"	10.0		99.9	81-136			30	
sec-Butylbenzene	10.7		"	10.0		107	79-137			30	
Styrene	9.18		"	10.0		91.8	70-130			20	
tert-Butylbenzene	10.2		"	10.0		102	77-138			30	
Tetrachloroethylene	8.47		"	10.0		84.7	70-130			20	
Toluene	9.80		"	10.0		98.0	70-130			20	
trans-1,2-Dichloroethylene	9.46		"	10.0		94.6	70-130			20	
trans-1,3-Dichloropropylene	8.85		"	10.0		88.5	70-130			20	
Trichloroethylene	9.48		"	10.0		94.8	70-130			20	
Trichlorofluoromethane	9.37		"	10.0		93.7	40-160			20	
Vinyl Chloride	10.8		"	10.0		108	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.61*		*"*	*10.0*		*96.1*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*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 BE90565 - EPA 5030B											
LCS Dup (BE90565-BSD1)							Prepared & Analyzed: 05/10/2019				
1,1,1,2-Tetrachloroethane	9.29		ug/L	10.0		92.9	82-126		3.50	30	
1,1,1-Trichloroethane	10.4		"	10.0		104	70-130		5.96	20	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	70-130		5.11	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	70-130		10.0	20	
1,1,2-Trichloroethane	9.59		"	10.0		95.9	70-130		3.61	20	
1,1-Dichloroethane	10.2		"	10.0		102	70-130		6.81	20	
1,1-Dichloroethylene	10.5		"	10.0		105	70-130		10.0	20	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		5.07	30	
1,2,3-Trichlorobenzene	7.76		"	10.0		77.6	70-130		35.3	20	Non-dir.
1,2,3-Trichloropropane	11.3		"	10.0		113	77-128		6.58	30	
1,2,4-Trichlorobenzene	8.67		"	10.0		86.7	70-130		24.5	20	Non-dir.
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132		6.51	20	
1,2-Dibromo-3-chloropropane	8.97		"	10.0		89.7	40-160		5.97	20	
1,2-Dibromoethane	9.67		"	10.0		96.7	70-130		4.12	20	
1,2-Dichlorobenzene	10.5		"	10.0		105	70-130		6.39	20	
1,2-Dichloroethane	8.94		"	10.0		89.4	70-130		2.15	20	
1,2-Dichloropropane	9.54		"	10.0		95.4	70-130		3.19	20	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131		5.93	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130		7.77	20	
1,3-Dichloropropane	9.61		"	10.0		96.1	81-125		1.47	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	70-130		6.36	20	
2,2-Dichloropropane	10.2		"	10.0		102	56-150		8.33	30	
2-Chlorotoluene	10.9		"	10.0		109	79-130		7.40	30	
2-Hexanone	9.45		"	10.0		94.5	40-160		0.743	20	
4-Chlorotoluene	10.8		"	10.0		108	79-128		5.99	30	
Acetone	10.3		"	10.0		103	40-160		6.43	20	
Benzene	10.2		"	10.0		102	70-130		4.70	20	
Bromobenzene	10.8		"	10.0		108	78-129		5.90	30	
Bromochloromethane	9.99		"	10.0		99.9	70-130		3.88	20	
Bromodichloromethane	9.54		"	10.0		95.4	70-130		6.27	20	
Bromoform	8.75		"	10.0		87.5	70-130		5.04	20	
Bromomethane	9.42		"	10.0		94.2	40-160		3.79	20	
Carbon tetrachloride	10.0		"	10.0		100	70-130		8.52	20	
Chlorobenzene	10.0		"	10.0		100	70-130		6.05	20	
Chloroethane	9.95		"	10.0		99.5	40-160		17.4	20	
Chloroform	10.0		"	10.0		100	70-130		5.84	20	
Chloromethane	10.2		"	10.0		102	40-160		8.65	20	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	70-130		4.52	20	
cis-1,3-Dichloropropylene	9.26		"	10.0		92.6	70-130		2.29	20	
Dibromochloromethane	9.48		"	10.0		94.8	70-130		5.42	20	
Dibromomethane	9.26		"	10.0		92.6	72-134		0.650	30	
Dichlorodifluoromethane	11.8		"	10.0		118	40-160		8.81	20	
Ethyl Benzene	10.6		"	10.0		106	70-130		7.14	20	
Hexachlorobutadiene	8.06		"	10.0		80.6	67-146		21.1	30	
Isopropylbenzene	11.7		"	10.0		117	70-130		8.06	20	
Methyl tert-butyl ether (MTBE)	9.52		"	10.0		95.2	70-130		2.88	20	
Methylene chloride	11.5		"	10.0		115	70-130		4.73	20	
Naphthalene	8.10		"	10.0		81.0	70-147		34.6	30	Non-dir.
n-Butylbenzene	10.2		"	10.0		102	79-132		10.2	30	
n-Propylbenzene	11.7		"	10.0		117	78-133		7.82	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 BE90565 - EPA 5030B											
LCS Dup (BE90565-BSD1)								Prepared & Analyzed: 05/10/2019			
o-Xylene	9.91		ug/L	10.0		99.1	70-130		5.28	20	
p- & m- Xylenes	20.8		"	20.0		104	70-130		6.45	20	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		7.33	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		8.42	30	
Styrene	9.74		"	10.0		97.4	70-130		5.92	20	
tert-Butylbenzene	10.9		"	10.0		109	77-138		6.82	30	
Tetrachloroethylene	9.07		"	10.0		90.7	70-130		6.84	20	
Toluene	10.3		"	10.0		103	70-130		5.27	20	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130		7.82	20	
trans-1,3-Dichloropropylene	8.97		"	10.0		89.7	70-130		1.35	20	
Trichloroethylene	10.0		"	10.0		100	70-130		5.54	20	
Trichlorofluoromethane	9.84		"	10.0		98.4	40-160		4.89	20	
Vinyl Chloride	8.31		"	10.0		83.1	70-130		25.8	20	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.50*		*"*	*10.0*		*95.0*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*70-130*				

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 BE90529 - EPA 200.7											
Blank (BE90529-BLK1)											Prepared: 05/08/2019 Analyzed: 05/10/2019
Iron	ND	0.278	mg/L								
LCS (BE90529-BS1)											Prepared: 05/08/2019 Analyzed: 05/10/2019
Iron	0.981		ug/mL	1.00		98.1	85-115				
Batch BE90852 - EPA 3015A											
Blank (BE90852-BLK1)											Prepared: 05/14/2019 Analyzed: 05/15/2019
Iron - Dissolved	ND	0.278	mg/L								
LCS (BE90852-BS1)											Prepared: 05/14/2019 Analyzed: 05/15/2019
Iron - Dissolved	0.947		ug/mL	1.00		94.7	80-120				

Miscellaneous Physical 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 BE90595 - % Solids Prep											
Blank (BE90595-BLK1)											Prepared: 05/09/2019 Analyzed: 05/10/2019
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19E0338-01	WQ050619: 1230 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19E0338-02	WQ050619: 1235 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 19E0338

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: WSP USA	SAME [X]	SAME [X]	31401451.000 task 01.00	RUSH-Same Day
Address: 4 Research Drive	Name:	Name:		RUSH-Next Day
Suite 301, Shelton CT 06484	Company:	Company:	Purchase Order #	RUSH-Two Day
Phone.: 203.929.8555	Address:	Address:	31401451.000 task 01.00	RUSH-Three Day
Contact: Tunde Sandor				RUSH-Four Day
E-mail: tunde.sandor@wsp.com		E-mail	Samples from CT__NY x_NJ__	Standard (5-7day) X

Report/Deliverable Type

Summary Report	X, PDF
QA Report	X, PDF
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	X, PDF
NJDEP Reduced Deliv	
Excel	X
NYSDEC EQuIS	
NJDEP SRP HazSite EQuIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel compared to:	
OTHER:	

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.

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WQ050619:1230 MP2-6	5-6-19 1230	GW	VOCs 8260 full plus freon 113	3 voa
+ 1235 MP2-10	+ 1235	GW	Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS	3voa, 3Plastic

Rcd By: 5/8/19 1329

Comments:

Preservation (check all applicable): °C ___ Frozen ___ HCl ✓ MeOH ___ HNO_3 ✓ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

(system)

Samples Relinquished By	5-7-19 1400 Date/Time	WSP Fridge Samples Received By	5-7-19 1400 Date/Time
Samples Relinquished By	5/8/19 1510 Date/Time	Samples Received in LAB by	5-8-19 1510 Date/Time

Temperature on Receipt: 2.1 °C

APPENDIX II
MAY 2019 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS

Technical Report

prepared for:

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

Report Date: 06/04/2019
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 19E0335

Revision No. 1.0

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: 06/04/2019
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 19E0335

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 May 08, 2019 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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
19E0335-01	WQ050619: 1200 FRW-1	Water	05/06/2019	05/08/2019
19E0335-02	WQ050619: 1205 FRW-2	Water	05/06/2019	05/08/2019
19E0335-03	WQ050619: 1210 FRW-3	Water	05/06/2019	05/08/2019
19E0335-04	WQ050619: 1215 FRW-4	Water	05/06/2019	05/08/2019
19E0335-05	WQ050619: 1240 NP1-1-2	Water	05/06/2019	05/08/2019

General Notes for York Project (SDG) No.: 19E0335

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: 06/04/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ050619: 1200 FRW-1 **York Sample ID:** 19E0335-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:00 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2019 14:41	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
95-63-6	**1,2,4-Trimethylbenzene**	**0.470**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 14:41	TMP

Sample Information

Client Sample ID: WQ050619: 1200 FRW-1 **York Sample ID:** 19E0335-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:00 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	**cis-1,2-Dichloroethylene**	**0.250**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP 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:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: WQ050619: 1200 FRW-1 **York Sample ID:** 19E0335-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:00 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	**Naphthalene**	**4.26**		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	**o-Xylene**	**0.310**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**32.2**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	**Toluene**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	**Trichloroethylene**	**0.240**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	**Xylenes, Total**	**0.800**		ug/L	0.600	1.50	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 14:41 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.9 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*70-130*

Sample Information

Client Sample ID: WQ050619: 1205 FRW-2 **York Sample ID:** 19E0335-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:05 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2019 15:09	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP

Sample Information

Client Sample ID: WQ050619: 1205 FRW-2 **York Sample ID:** 19E0335-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:05 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 15:09	TMP

Sample Information

Client Sample ID: WQ050619: 1205 FRW-2 **York Sample ID:** 19E0335-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:05 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**3.46**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 15:09 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.5 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*70-130*

Sample Information

Client Sample ID: WQ050619: 1210 FRW-3 **York Sample ID:** 19E0335-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:10 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-63-6	**1,2,4-Trimethylbenzene**	**0.540**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP

Sample Information

Client Sample ID: WQ050619: 1210 FRW-3 **York Sample ID:** 19E0335-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:10 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
156-59-2	**cis-1,2-Dichloroethylene**	**2.82**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:04	TMP

Sample Information

Client Sample ID: WQ050619: 1210 FRW-3 **York Sample ID:** 19E0335-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:10 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	**n-Propylbenzene**	**0.200**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	**o-Xylene**	**0.270**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	**p- & m- Xylenes**	**0.620**		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**44.4**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	**Toluene**	**0.500**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	**Trichloroethylene**	**1.20**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	**Xylenes, Total**	**0.890**		ug/L	0.600	1.50	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:04 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*98.8 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*70-130*

Sample Information

Client Sample ID: WQ050619: 1215 FRW-4 **York Sample ID:** 19E0335-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:15 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2019 16:58	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 16:58	TMP

Sample Information

Client Sample ID: WQ050619: 1215 FRW-4 **York Sample ID:** 19E0335-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:15 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-59-2	**cis-1,2-Dichloroethylene**	**0.230**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP

Sample Information

Client Sample ID: WQ050619: 1215 FRW-4 **York Sample ID:** 19E0335-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:15 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**0.800**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 16:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.6 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*111 %*	*70-130*

Sample Information

Client Sample ID: WQ050619: 1240 NP1-1-2 **York Sample ID:** 19E0335-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:40 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP	05/10/2019 17:26	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP

Sample Information

Client Sample ID: WQ050619: 1240 NP1-1-2 **York Sample ID:** 19E0335-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:40 pm	05/08/2019

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:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/10/2019 17:26	TMP

Sample Information

Client Sample ID: WQ050619: 1240 NP1-1-2 **York Sample ID:** 19E0335-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0335	31401451.000 task 01.00	Water	May 6, 2019 12:40 pm	05/08/2019

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:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
127-18-4	**Tetrachloroethylene**	**0.340**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
79-01-6	**Trichloroethylene**	**0.270**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	05/10/2019 14:08	05/10/2019 17:26 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	TMP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.0 %*	*70-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*70-130*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*70-130*

Analytical Batch Summary

Batch ID: BE90565 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19E0335-01	WQ050619: 1200 FRW-1	05/10/19
19E0335-02	WQ050619: 1205 FRW-2	05/10/19
19E0335-03	WQ050619: 1210 FRW-3	05/10/19
19E0335-04	WQ050619: 1215 FRW-4	05/10/19
19E0335-05	WQ050619: 1240 NP1-1-2	05/10/19
BE90565-BLK1	Blank	05/10/19
BE90565-BS1	LCS	05/10/19
BE90565-BSD1	LCS Dup	05/10/19

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 BE90565 - EPA 5030B											
Blank (BE90565-BLK1)											Prepared & Analyzed: 05/10/2019
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	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	0.210	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 BE90565 - EPA 5030B											
Blank (BE90565-BLK1)								Prepared & Analyzed: 05/10/2019			
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	*9.73*		*"*	*10.0*		*97.3*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*70-130*				
LCS (BE90565-BS1)								Prepared & Analyzed: 05/10/2019			
1,1,1,2-Tetrachloroethane	8.97		ug/L	10.0		89.7	82-126			30	
1,1,1-Trichloroethane	9.77		"	10.0		97.7	70-130			20	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	70-130			20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	70-130			20	
1,1,2-Trichloroethane	9.25		"	10.0		92.5	70-130			20	
1,1-Dichloroethane	9.50		"	10.0		95.0	70-130			20	
1,1-Dichloroethylene	9.46		"	10.0		94.6	70-130			20	
1,1-Dichloropropylene	9.62		"	10.0		96.2	83-133			30	
1,2,3-Trichlorobenzene	5.43		"	10.0		54.3	70-130	Low Bias		20	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128			30	
1,2,4-Trichlorobenzene	6.78		"	10.0		67.8	70-130	Low Bias		20	
1,2,4-Trimethylbenzene	9.96		"	10.0		99.6	82-132			20	
1,2-Dibromo-3-chloropropane	8.45		"	10.0		84.5	40-160			20	
1,2-Dibromoethane	9.28		"	10.0		92.8	70-130			20	
1,2-Dichlorobenzene	9.85		"	10.0		98.5	70-130			20	
1,2-Dichloroethane	8.75		"	10.0		87.5	70-130			20	
1,2-Dichloropropane	9.24		"	10.0		92.4	70-130			20	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131			30	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	70-130			20	
1,3-Dichloropropane	9.47		"	10.0		94.7	81-125			30	
1,4-Dichlorobenzene	9.90		"	10.0		99.0	70-130			20	
2,2-Dichloropropane	9.43		"	10.0		94.3	56-150			30	
2-Chlorotoluene	10.2		"	10.0		102	79-130			30	
2-Hexanone	9.38		"	10.0		93.8	40-160			20	
4-Chlorotoluene	10.2		"	10.0		102	79-128			30	
Acetone	9.63		"	10.0		96.3	40-160			20	
Benzene	9.77		"	10.0		97.7	70-130			20	
Bromobenzene	10.2		"	10.0		102	78-129			30	
Bromochloromethane	9.61		"	10.0		96.1	70-130			20	
Bromodichloromethane	8.96		"	10.0		89.6	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 BE90565 - EPA 5030B											
LCS (BE90565-BS1)								Prepared & Analyzed: 05/10/2019			
Bromoform	8.32		ug/L	10.0		83.2	70-130			20	
Bromomethane	9.07		"	10.0		90.7	40-160			20	
Carbon tetrachloride	9.22		"	10.0		92.2	70-130			20	
Chlorobenzene	9.46		"	10.0		94.6	70-130			20	
Chloroethane	8.36		"	10.0		83.6	40-160			20	
Chloroform	9.48		"	10.0		94.8	70-130			20	
Chloromethane	9.40		"	10.0		94.0	40-160			20	
cis-1,2-Dichloroethylene	9.73		"	10.0		97.3	70-130			20	
cis-1,3-Dichloropropylene	9.05		"	10.0		90.5	70-130			20	
Dibromochloromethane	8.98		"	10.0		89.8	70-130			20	
Dibromomethane	9.20		"	10.0		92.0	72-134			30	
Dichlorodifluoromethane	10.8		"	10.0		108	40-160			20	
Ethyl Benzene	9.86		"	10.0		98.6	70-130			20	
Hexachlorobutadiene	6.52		"	10.0		65.2	67-146	Low Bias		30	
Isopropylbenzene	10.8		"	10.0		108	70-130			20	
Methyl tert-butyl ether (MTBE)	9.25		"	10.0		92.5	70-130			20	
Methylene chloride	10.9		"	10.0		109	70-130			20	
Naphthalene	5.71		"	10.0		57.1	70-147	Low Bias		30	
n-Butylbenzene	9.21		"	10.0		92.1	79-132			30	
n-Propylbenzene	10.8		"	10.0		108	78-133			30	
o-Xylene	9.40		"	10.0		94.0	70-130			20	
p- & m- Xylenes	19.5		"	20.0		97.5	70-130			20	
p-Isopropyltoluene	9.99		"	10.0		99.9	81-136			30	
sec-Butylbenzene	10.7		"	10.0		107	79-137			30	
Styrene	9.18		"	10.0		91.8	70-130			20	
tert-Butylbenzene	10.2		"	10.0		102	77-138			30	
Tetrachloroethylene	8.47		"	10.0		84.7	70-130			20	
Toluene	9.80		"	10.0		98.0	70-130			20	
trans-1,2-Dichloroethylene	9.46		"	10.0		94.6	70-130			20	
trans-1,3-Dichloropropylene	8.85		"	10.0		88.5	70-130			20	
Trichloroethylene	9.48		"	10.0		94.8	70-130			20	
Trichlorofluoromethane	9.37		"	10.0		93.7	40-160			20	
Vinyl Chloride	10.8		"	10.0		108	70-130			20	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.61*		*"*	*10.0*		*96.1*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*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 BE90565 - EPA 5030B

LCS Dup (BE90565-BSD1) Prepared & Analyzed: 05/10/2019

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.29		ug/L	10.0		92.9	82-126		3.50	30	
1,1,1-Trichloroethane	10.4		"	10.0		104	70-130		5.96	20	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	70-130		5.11	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	70-130		10.0	20	
1,1,2-Trichloroethane	9.59		"	10.0		95.9	70-130		3.61	20	
1,1-Dichloroethane	10.2		"	10.0		102	70-130		6.81	20	
1,1-Dichloroethylene	10.5		"	10.0		105	70-130		10.0	20	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		5.07	30	
1,2,3-Trichlorobenzene	7.76		"	10.0		77.6	70-130		35.3	20	Non-dir.
1,2,3-Trichloropropane	11.3		"	10.0		113	77-128		6.58	30	
1,2,4-Trichlorobenzene	8.67		"	10.0		86.7	70-130		24.5	20	Non-dir.
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132		6.51	20	
1,2-Dibromo-3-chloropropane	8.97		"	10.0		89.7	40-160		5.97	20	
1,2-Dibromoethane	9.67		"	10.0		96.7	70-130		4.12	20	
1,2-Dichlorobenzene	10.5		"	10.0		105	70-130		6.39	20	
1,2-Dichloroethane	8.94		"	10.0		89.4	70-130		2.15	20	
1,2-Dichloropropane	9.54		"	10.0		95.4	70-130		3.19	20	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131		5.93	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	70-130		7.77	20	
1,3-Dichloropropane	9.61		"	10.0		96.1	81-125		1.47	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	70-130		6.36	20	
2,2-Dichloropropane	10.2		"	10.0		102	56-150		8.33	30	
2-Chlorotoluene	10.9		"	10.0		109	79-130		7.40	30	
2-Hexanone	9.45		"	10.0		94.5	40-160		0.743	20	
4-Chlorotoluene	10.8		"	10.0		108	79-128		5.99	30	
Acetone	10.3		"	10.0		103	40-160		6.43	20	
Benzene	10.2		"	10.0		102	70-130		4.70	20	
Bromobenzene	10.8		"	10.0		108	78-129		5.90	30	
Bromochloromethane	9.99		"	10.0		99.9	70-130		3.88	20	
Bromodichloromethane	9.54		"	10.0		95.4	70-130		6.27	20	
Bromoform	8.75		"	10.0		87.5	70-130		5.04	20	
Bromomethane	9.42		"	10.0		94.2	40-160		3.79	20	
Carbon tetrachloride	10.0		"	10.0		100	70-130		8.52	20	
Chlorobenzene	10.0		"	10.0		100	70-130		6.05	20	
Chloroethane	9.95		"	10.0		99.5	40-160		17.4	20	
Chloroform	10.0		"	10.0		100	70-130		5.84	20	
Chloromethane	10.2		"	10.0		102	40-160		8.65	20	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	70-130		4.52	20	
cis-1,3-Dichloropropylene	9.26		"	10.0		92.6	70-130		2.29	20	
Dibromochloromethane	9.48		"	10.0		94.8	70-130		5.42	20	
Dibromomethane	9.26		"	10.0		92.6	72-134		0.650	30	
Dichlorodifluoromethane	11.8		"	10.0		118	40-160		8.81	20	
Ethyl Benzene	10.6		"	10.0		106	70-130		7.14	20	
Hexachlorobutadiene	8.06		"	10.0		80.6	67-146		21.1	30	
Isopropylbenzene	11.7		"	10.0		117	70-130		8.06	20	
Methyl tert-butyl ether (MTBE)	9.52		"	10.0		95.2	70-130		2.88	20	
Methylene chloride	11.5		"	10.0		115	70-130		4.73	20	
Naphthalene	8.10		"	10.0		81.0	70-147		34.6	30	Non-dir.
n-Butylbenzene	10.2		"	10.0		102	79-132		10.2	30	
n-Propylbenzene	11.7		"	10.0		117	78-133		7.82	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 BE90565 - EPA 5030B											
LCS Dup (BE90565-BSD1)								Prepared & Analyzed: 05/10/2019			
o-Xylene	9.91		ug/L	10.0		99.1	70-130		5.28	20	
p- & m- Xylenes	20.8		"	20.0		104	70-130		6.45	20	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		7.33	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		8.42	30	
Styrene	9.74		"	10.0		97.4	70-130		5.92	20	
tert-Butylbenzene	10.9		"	10.0		109	77-138		6.82	30	
Tetrachloroethylene	9.07		"	10.0		90.7	70-130		6.84	20	
Toluene	10.3		"	10.0		103	70-130		5.27	20	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	70-130		7.82	20	
trans-1,3-Dichloropropylene	8.97		"	10.0		89.7	70-130		1.35	20	
Trichloroethylene	10.0		"	10.0		100	70-130		5.54	20	
Trichlorofluoromethane	9.84		"	10.0		98.4	40-160		4.89	20	
Vinyl Chloride	8.31		"	10.0		83.1	70-130		25.8	20	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.50*		*"*	*10.0*		*95.0*	*70-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*70-130*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*70-130*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19E0335-01	WQ050619: 1200 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19E0335-02	WQ050619: 1205 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19E0335-03	WQ050619: 1210 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19E0335-04	WQ050619: 1215 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19E0335-05	WQ050619: 1240 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Revision Description: The report was revised due to a reporting error for the Voa analysis.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 19E0335

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time
Company: WSP USA	SAME [X]	SAME [X]	31401451.000 task 01.00	RUSH-Same Day
Address: 4 Research Drive	Name:	Name:		RUSH-Next Day
Suite 301, Shelton CT 06484	Company:	Company:	Purchase Order #	RUSH-Two Day
Phone.: 203.929.8555	Address:	Address:	31401451.000 task 01.00	RUSH-Three Day
Contact: Tunde Sandor				RUSH-Four Day
E-mail: tunde.sandor@wsp.com		E-mail	Samples from CT__ NY x_ NJ__	Standard (5-7day) X

Report/Deliverable Type	
Summary Report	X, PDF
QA Report	X, PDF
CT RCP	
CT RCP DQA/DUE Pkg	
NY ASP A Package	
NY ASP B Package	X, PDF
NJDEP Reduced Deliv	
Excel	X
NYSDEC EQuIS	
NJDEP SRP HazSite	
EQuIS	
GIS/KEY (std)	
YORK Regulatory Comp Excel compared to:	
OTHER:	

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.

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxins/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
WDOSC0618: 1200 FRW-1	5-6-19 1200	GW	VOCs 8260 full plus freon 113	3 voa's
1205 FRW-2	1205			
1210 FRW-3	1210			
1215 FRW-4	1215			
1240 MW-1-2	1240			

Rel By: [signature] 5/8/19 1329

Comments:

(system)

Preservation (check all applicable): °C ✓ Frozen ____ HCl ✓ MeOH ____ HNO_3 ____ H_2SO_4 ____ NaOH ____ ZnAc ____ Ascorbic Acid ____ Other ____

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time 5-7-19 1400	Samples Received By: WSP Fridge	Date/Time 5-7-19 1400
Samples Relinquished By [signature]	Date/Time 5/7/19 1510	Samples Received in LAB by: TC Tahler	Date/Time 5/7/19 1510

Temperature on Receipt: 2.1 °C