SUMMARY OF SYSTEM OPERATIONS

(August 1, 2017 through August 31, 2017)

Reporting period:	31 days
Volume of contaminated groundwater treated:	1,306,415 gallons
Volume of contaminated groundwater treated since 12/17/02:	1,424,492,081 gallons
Mass of Volatile Organics (VOCS) removed from groundwater:	0.01 pounds
Cumulative mass of VOCs removed from groundwater since 12/17/02:	229.1 pounds
No. hours of operation during reporting period:	710 hours (95.5%)*
No. of operating recovery wells:	1 out of 9 full scale pump and treat recovery wells and focused recovery wells FRW-1 through FRW-4. With EPA approval: RW-1 was shut down on July 13, 2005; RW-3 was shut down on May 21, 2012; RW-4 was shut down on January 1, 2014; RW-5 was shut down on May 23, 2012; RW-6 was shut down on January 1, 2014; RW-7 was shut down on January 1, 2014; RW-8 was shut down on April 30, 2012; and RW-9 was shut down on April 23, 2012.

*Downtime includes maintenance periods.

COMMUNITY INVOLVEMENT

EPA will continue to send out this type of update to let the community know how the site cleanup is progressing. A copy of this update and other site-related documents are available at the John Jermain Library for the public's review. If you have any questions about this update or the site in general, please contact:

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U.S. Environmental Protection Agency
290 Broadway, New York, NY 10007
telephone: (212) 637-4255
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e-mail: tames.pam@epa.gov

or

Cecilia Echols
Community Involvement Coordinator
telephone: 1-800-346-5009
e-mail: echols.cecilia@epa.gov

-DRAFT-

PROJECT STATUS MEMORANDUM NO. 8-17

TO: Pamela Tames, USEPA

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

DATE: December 12, 2017

PROJECT: Rowe Industries Superfund Site
NYS Site ID No. 152106
Groundwater Recovery and Treatment System
August 2017 Status Report
Sag Harbor, New York

LBG Engineering Services, P.C. (LBG) 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 treats water extracted from RW-2 and FRW-1, 2, 3 and 4; the recovery wells (RW-1, RW-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 August 1, 2017 through August 31, 2017. 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

(August 1, 2017 through August 31, 2017)

1. Hours of operation during the reporting period:	710 hours (95.5%)
2. Alarm conditions during the reporting period:	See Table 1
3. Was the SPDES VOC discharge permit criteria achieved:	yes, (see Table 2)
4. Total volume of water pumped during the reporting period:	1,306,415 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:	0.01 pound*
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	229.1 pounds

*Values represent the FSP&T and FP&T system recovery wells. The effluent flow meter information could not be downloaded because of a software malfunction. Therefore, the volume of water pumped for the month of August was calculated by summing the totalizer readings for RW-2 and FP&T effluent flow meters.

PUMP AND TREAT SYSTEM STATUS SUMMARY

The following table summarizes recovery well parameters for the operating recovery wells. Note, FRW-1, 2, 3, and 4 were not operational from August 1 to August 28; downgradient recovery well RW-2 operated continuously during the period.

Well	Volume pumped (gal)	Total VOC Concentration (µg/L)	VOC Recovery (lbs)
RW-2 [1/]	1,235,975	0.7	0.01
FRW-1 [2/]	5,254	16.9	< 0.01
FRW-2 [2]	739	9.1	< 0.01
FRW-3 [2/]	302	40.4	< 0.01
FRW-4 [2/]	48,195	2.7	< 0.01

[1/] The above table summarizes the parameters for RW-2 from August 1 to August 31, 2017.
[2/] The above table summarizes the parameters for the FRWs from August 1, 2017 through September 5, 2017.

The FP&T system (FRW-1, 2, 3 and 4) effluent transfer pump motor malfunctioned between the July 19 and August 1, 2017 O&M visit. This issue was first detected on August 1, 2017 and the repaired transfer pump motor was installed and the FP&T system (FRW-1, 2, 3 and 4) was restarted on August 28, 2017. The Flomotion effluent flow meter was repaired on August 28, 2017 and the Flomotion software is providing effluent flow data. Additional details about the maintenance activities are provided in Table 1.

SUMMARY OF SAMPLING ACTIVITIES

August 2017 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.

Tables 3-7 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 2-6 present PCE concentrations for RW-2 and FRW-1, 2, 3, and 4 over the last 24 months. Laboratory analytical reports for the water samples are included as Appendix II.

The PCE, TCE, cis-DCE, VC and TCA concentrations from the groundwater sample collected from RW-2 was below the ARAR; concentrations at RW-2 have been below the ARAR for over 8 years.

PCE concentrations from the groundwater samples collected at FRW-1, 2 and 3 were above ARARs. The PCE concentration from the groundwater sample collected at FRW-4 was below the ARAR. TCE, cis-DCE, Vinyl Chloride (VC) and TCA concentrations from the groundwater samples collected at FRW-1, 2, 3 and 4 were below ARARs; in some cases the concentrations were below laboratory reporting limits.

The monthly sample results are similar to historic observations during the month of August. Groundwater samples from RW-2 and the FRWs will continue to be collected and analyzed monthly for quality trends.

FUTURE O&M ACTIVITIES

O&M activities scheduled for September 2017 include:

- normal bi-weekly/monthly O&M activities;
- clean FP&T piping including pipe between FP&T and FSP&T systems;
- clean RW-2 pump, pump motor and piping;
- replace the pressure transducer in FRW-4; and
- conduct semi-annual/annual groundwater sampling.

MMG:cmm
Attachments
cc: Brian Shuttleworth - Kraft Heinz Foods Company (as successor to Kraft Foods Group, Inc.)-.pdf
Kevin Kyrias-Gann, Ramboll Environ -.pdf
Renee (Petersen) DeBaene, Ramboll Environ -.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\2017\Monthly Reports\August\Draft Status.docx

TABLES

TABLE 1

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

MAINTENANCE LOG
(August 1, 2017 through August 31, 2017)

Date	Time	System Changes/Modifications	Personnel
8/1/2017		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
		Sometime between 7/19/17 and 8/1/17, the FP&T system transfer pump motor malfunctioned, which caused a high level alarm in the FP&T system holding tank. The root cause of the malfunctioning motor is iron buildup in the piping. FRW pumps were manually turned on to collect monthly groundwater samples from the FRWs. The FRW and effluent flow meter paddle wheels were cleaned. The transfer pump motor will be scheduled for repair with D&D Electric. A two day cleaning event will be scheduled in September with the O&M contractor. In addition, a spare FP&T transfer pump, which was damaged earlier this year for the same reason (i.e. iron buildup in the piping) will also be sent to D&D Electric for repair.	EF
8/2/2017	1:58 PM	The FSP&T shuts down due to a power failure alarm.	
	3:03 PM	Checked the FSP&T system, reset alarms and restarted the FSP&T system with RW-2 operating. The FP&T system remains off.	JF
8/8/2017		Checked the FSP&T system, which was operating normally.	JF
8/9/2017		Checked the FSP&T system, which was operating normally.	JF
8/15/2017	10:50 AM	Eastern Environmental picked up 12 drums containing used bag filters and disposable PPE for offsite disposal. Twelve new drums were dropped off.	EF
		Additional troubleshooting of the FRW-4 Level Mate suggests that the most likely cause of the faulty water elevation reading at the FRW-4 Level Mate is caused by either a faulty pressure transducer in FRW-4 or faulty internal components inside the control panel. Therefore, the two day cleaning event with the O&M contractor scheduled for September will include replacing the pressure transducer in FRW-4. In the event the pressure transducer replacement does not restore the water elevation reading, then the next step would require the computer programmer to troubleshoot the control panel. In the event the root problem is caused by the control panel, then LBG recommends leaving the operation of the system as is because there is no detrimental impact to the pumping operation for FRW-4. In addition, there is relatively little benefit for incurring additional O&M cost associated with computer programmer troubleshooting.	EF
8/16/2017	1:58 PM	The FSP&T shuts down due to a power failure alarm.	
	6:12 PM	Checked the FSP&T system, reset alarms and restarted the FSP&T system with RW-2 operating. The FP&T system remains off.	JF

TABLE 1

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

MAINTENANCE LOG
(August 1, 2017 through August 31, 2017)

Date	Time	System Changes/Modifications	Personnel
8/28/2017	3:00 PM	Installed the repaired FP&T system transfer pump, cleaned iron deposition from the piping and check valve in the immediate vicinity of the transfer pump and restarted the FP&T system. The spare FP&T transfer pump was also repaired and remains ready for use in the event the primary FP&T transfer pump malfunctions.	EF
		While the flow rate for RW-2 is being maintained at 27 gpm, the percent motor speed is increasing with time, which suggests that the pump and piping is starting to clog with iron. As part of the two day cleaning event scheduled for September with the O&M contractor, the RW-2 pump and motor will be removed, inspected and cleaned and the piping from RW-2 to the building will be cleaned. In addition, the RW-2 pump and/or pump motor will be replaced as needed.	
8/28/2017		Installed the repaired Flomotion effluent flow meter and reformatted Flomotion software so it will provide the appropriate effluent flow data.	EF
8/30/2017	1:58 PM	The FSP&T shuts down due to a power failure alarm.	
8/31/2017	5:39 PM	Checked the FSP&T system, reset alarms and restarted the FSP&T and FP&T system with RW-2, FRW-1, FRW-2, FRW-3 and FRW-4 operating.	JF

Notes:

EF Evan Foster, LBG
JF Jamie Forrester, LBG

H:\NABIS\2017\Monthly Reports\August\Table 1 Maintenance Record.docx

TABLE 2

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

Effluent Water Quality Results

Date Sampled [2/]	pH [1/]	TDS (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**	**---**	**---**
1-Sep-16	6.5	157	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	1.65	0.044
16-Sep-16	6.5	146	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	0.92	0.336
17-Oct-16 [4/]	6.5	141	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	1.27	0.455
1-Nov-16	6.5	224	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	3.50	0.100
1-Dec-16	6.5	191	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	2.17	0.042
3-Jan-17	6.5	123	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	2.24	0.030
1-Feb-17	6.5	120	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	2.17	0.051
1-Mar-17	6.5	149	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	0.69	0.063
7-Apr-17	6.5	157	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	3.62	0.060
3-May-17	6.5	121	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	0.90	0.079
1-Jun-17	6.5	127	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	0.10	0.097
6-Jul-17	6.5	159	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	0.46	ND<0.02
1-Aug-17	6.8	143	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	3.00	0.193

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

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 on August 15, 2017, was 6.9.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. LBG suspects the PCE and TCE detections from the water sample collected from the effluent sample port (NP2-10) on July 7, 2016, were most likely caused by: a) reversing the sample label on the influent and effluent laboratory bottles; or b) a mis-labeling of the results by the laboratory, because the "ND" (non-detect below the laboratory reporting limit) results for PCE and TCE are typically observed in the effluent water sample and low concentrations of these compounds are normally observed in the influent water sample. The reverse was true for the July 7, 2016 sampling event.
4. Starting in October 2016, FSP&T system samples will be collected monthly instead of once every two weeks.

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	11-Sep-15	0.38 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
	5-Oct-15	ND<0.5	0.46 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-Nov-15	0.28 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
	2-Dec-15	0.35 J	0.53	0.26 J	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-Jan-16	ND<0.5	0.56	0.33 J	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-16	0.40 J	0.63	0.22 J	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-16	0.38 J	0.67	0.32 J	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-Apr-16	0.37 J	0.55	0.31 J	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-16	0.27 J	0.37 J	0.24 J	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
	23-Jun-16	0.26 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
	19-Jul-16	0.23 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-Aug-16	0.24 J	0.37 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
	16-Sep-16	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
	17-Oct-16	0.45 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
	1-Nov-16	0.42 J	0.44 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-Dec-16	0.52	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
	9-Jan-17	0.30 J	0.43 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-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	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

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.
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**
11-Sep-15	**15**	0.54	1.6	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	0.51	ND<2
5-Oct-15	**50**	0.69	0.38 J	ND<0.5	0.65	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
FRW-1 was shut down sometime between October 5 and 20, 2015, and did not operate during the month of November										
5-Nov-15	**53**	3.6	**29**	0.76	0.78	ND<0.5	ND<2	ND<0.5	ND<0.5	1.8 J
3-Dec-15	**24**	2.5	**37**	0.96	0.34 J	0.32 J	ND<2	ND<0.5	ND<0.5	2.7
The FRWs were shut down between December 5, 2015 and December 15, 2015										
6-Jan-16	**170**	1.8	3.2	ND<0.5	2.4	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between February 13, 2016 and February 16, 2016										
1-Feb-16	**67**	**5.3**	**5.9**	0.30 J	0.28 J	ND<0.5	ND<2	ND<0.5	ND<0.5	1.2 J
The FRWs were shut down between February 25, 2016 and February 27, 2016										
1-Mar-16	**290**	3.8	**7.9**	ND<0.5	2.6	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between March 10 and March 16, 2016 and again between March 18 and March 22, 2016										
5-Apr-16	**140**	4.0	**7.9**	ND<0.5	1.1	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between April 8 and April 12, 2016 and again between April 19 and 25, 2016										
2-May-16	**78**	2.8	**5.7**	ND<0.5	0.74	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between May 5 and May 17, 2016 and again between May 19 and 23, 2016										
7-Jun-16	**57**	1.6	3.0	ND<0.5	0.43	ND<0.5	ND<2	ND<0.5	ND<0.5	1.3 J
7-Jul-16	**40**	0.95	0.75	ND<0.5	0.30 J	ND<0.5	ND<2	ND<0.5	ND<0.5	1.6 J
The FRWs were shut down between July 15 and July 18, 2016 and again after July 29, 2016										
2-Aug-16	**22**	0.75	1.4	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	1.2 J
The FRWs were shut down between August 10 and August 13, 2016.										
1-Sep-16	**25**	0.81	1.6	ND<0.5	0.20 J	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<2
FRW-1 was shut down between September 15 and 16, 2016 and again between September 21 and October 4, 2016										
17-Oct-16	**29**	2.60	**8.5**	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	0.56 J	ND<2
The FRWs were off between October 17 and November 14, 2016										
14-Nov-16	**64**	**5.4**	**38**	0.41 J	0.84	0.28 J	ND<2	ND<0.5	ND<0.5	ND<2
The FRWs were off between November 16 and December 1, 2016										
16-Dec-16	**58**	0.54	1.9	ND<0.5	0.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off from December 28 to January 3, 2017 and January 5 to January 9, 2017										
9-Jan-17	**120**	1.9	1.7	ND<0.5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between January 23 and February 2, 2017										
2-Feb-17	**460**	**8.5**	**20**	ND<0.5	3.5	0.59 J	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between February 20 and February 22, 2017										
1-Mar-17	**110**	3.9	**6.3**	ND<0.5	0.82	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017										
7-Apr-17	**240**	3.8	2.2	ND<0.5	2.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.3 J
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017										
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

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

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
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: 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**
11-Sep-15	**14**	1.1	0.35 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
5-Oct-15	**29**	1.4	0.30 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.0
5-Nov-15	**49**	4.2	3.1	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.4 J
The FRWs were shut down between November 18 and November 25, 2015.								
3-Dec-15	**37**	**8.1**	**34**	0.83	ND<0.5	ND<0.5	ND<0.5	2.3
The FRWs were shut down between December 5, 2015 and December 15, 2015								
6-Jan-16	**53**	4.3	2.3	0.21 J	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between February 13, 2016 and February 16, 2016								
1-Feb-16	**280**	3.3	**5.2**	ND<0.5	3.3	ND<0.5	ND<0.5	2.5
The FRWs were shut down between February 25, 2016 and February 27, 2016								
1-Mar-16	**55**	1.8	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between March 10 and March 16, 2016 and again between March 18 and March 22, 2016								
5-Apr-16	**32**	0.72	0.31 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between April 8 and April 12, 2016 and again between April 19 and 25, 2016								
2-May-16	**16**	0.39 J	ND<0.5	ND<0.5	0.52	ND<0.5	ND<0.5	1.1 J
The FRWs were shut down between May 5 and May 17, 2016 and again between May 19 and 23, 2016								
7-Jun-16	**39**	**5.7**	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	5.3
7-Jul-16	**21**	**1.4**	0.30 J	ND<0.5	ND<0.5	0.22	ND<0.5	ND<2
The FRWs were shut down between July 15 and July 18, 2016 and again after July 29, 2016								
2-Aug-16	**22**	1.0	0.55	ND<0.5	ND<0.5	ND<0.5	1.1	1.6 J
The FRWs were shut down between August 10 and August 13, 2016.								
1-Sep-16	**26**	1.2	0.39 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
FRW-2 was shut down between September 1 and 16, 2016 and again between September 21 and October 4, 2016.								
17-Oct-16	3.1	2.7	**41**	4.1	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between October 17 and November 14, 2016								
14-Nov-16	**19**	**6.5**	**19**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0 J
The FRWs were off between November 16 and December 1, 2016								
16-Dec-16	**32**	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<20	ND<20
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017								
9-Jan-17	**27**	**6.4**	**7.3**	ND<5.0	ND<5.0	ND<5.0	ND<0.5	ND<2
The FRWs were off between January 23 to February 2, 2017								
2-Feb-17	**100**	**10**	**39**	1.4	0.63	ND<5.0	ND<0.5	2.2
The FRWs were off between February 20 to February 22, 2017								
1-Mar-17	**40**	1.0	0.52	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017								
7-Apr-17	**93**	2.6	1.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3.1
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017								
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
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

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.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
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-Sep-15	**7.7**	2.5	**10**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.90	0.55 J	ND<0.5	ND<0.5	ND<2
5-Oct-15	**24**	1.6	**1.3**	ND<0.5	ND<0.5	ND<0.5	0.36 J	0.59	0.44 J	ND<0.5	ND<0.5	1.1 J
5-Nov-15	**30**	3.6	**49**	0.41 J	ND<0.5	0.30 J	0.29 J	0.49 J	0.22 J	ND<0.5	ND<0.5	1.0 J
The FRWs were shut down between November 18 and November 25, 2015.												
3-Dec-15	**34**	3.8	**96**	0.70	0.29 J	0.38 J	ND<0.5	0.41 J	0.20 J	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between December 5, 2015 and December 15, 2015												
6-Jan-16	**34**	3.1	**15**	0.60	ND<0.5	0.34 J	ND<0.5	1.0	0.48 J	1.3	ND<0.5	ND<2
The FRWs were shut down between February 13, 2016 and February 16, 2016												
1-Feb-16	**50**	4.1	**23**	1.40	ND<0.5	0.23 J	ND<0.5	1.2	0.52	1.4	ND<0.5	1.2 J
The FRWs were shut down between February 25, 2016 and February 27, 2016												
1-Mar-16	**62**	**7.1**	**29**	0.62	0.30 J	ND<0.5	ND<0.5	0.93	ND<0.5	ND<0.5	ND<0.5	1.4 J, B
The FRWs were shut down between March 10 and March 16, 2016 and again between March 18 and March 22, 2016												
5-Apr-16	**43**	2.5	**24**	0.27 J	ND<0.5	ND<0.5	ND<0.5	1.2	0.44 J	1.2	ND<0.5	ND<2
The FRWs were shut down between April 8 and April 12, 2016 and again between April 19 and 25, 2016												
2-May-16	**150**	**7.3**	**17**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.85	0.37 J	0.29 J	ND<0.5	ND<2
The FRWs were shut down between May 5 and May 17, 2016 and again between May 19 and 23, 2016												
7-Jun-16	**54**	4.8	**7.8**	ND<0.5	ND<0.5	0.29 J	ND<0.5	1.0	0.48 J	ND<0.5	ND<0.5	1.7
7-Jul-16	**15**	1.7	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	0.57	ND<0.5	7.3	ND<2
The FRWs were shut down between July 15 and July 18, 2016 and again after July 29, 2016												
2-Aug-16	**8.1**	0.7	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.71	0.43 J	ND<0.5	ND<0.5	2.3
The FRWs were shut down between August 10 and August 13, 2016.												
1-Sep-16	**17**	1.4	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.83	0.58	ND<0.5	ND<0.5	ND<2
FRW-3 was shut down between September 15 and 16, 2016 and again between September 21 and October 4, 2016												
17-Oct-16	**9.0**	2.4	**23**	1.1	ND<0.5	ND<0.5	ND<0.5	0.36 J	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between October 17 and November 14, 2016												
14-Nov-16	**79**	**5.6**	**14**	0.48 J	ND<0.5	0.67	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0
The FRWs were off between November 16 and December 1, 2016												
16-Dec-16	**24**	4.1	**16**	0.42 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.32 J	ND<0.5	ND<0.5	ND<2
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017												
9-Jan-17	**53**	**5.1**	**17**	ND<0.5	ND<0.5	0.40 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
The FRWs were off between January 23 to February 2, 2017												
2-Feb-17	**18**	3.7	**24**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.76	0.63	ND<0.5	ND<0.5	ND<2
The FRWs were off between February 20 to February 22, 2017												
1-Mar-17	**50**	**5.7**	**20**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.99	0.64	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017												
7-Apr-17	**65**	**5.0**	**41**	1.4	ND<0.5	ND<0.5	ND<0.5	0.71	0.49	ND<0.5	ND<0.5	ND<2
FRW-3 was off from April 17 to April 26, 2017 and April 27 to May 11, 2017												
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
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
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

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.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method
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**
11-Sep-15	1.4	ND<0.5	0.61	ND<0.5	ND<0.5	ND<2
5-Oct-15	2.7	ND<0.5	1.1	ND<0.5	ND<0.5	1.0 J
FRW-4 shut down sometime between October 20 and November 5, 2015, and did not operate during the month of November						
5-Nov-15	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2
FRW-4 was restarted on December 3, 2015						
3-Dec-15	2.7	ND<0.5	0.28 J	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between December 5, 2015 and December 15, 2015						
6-Jan-16	2.4	0.37 J	**7.9**	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between February 13, 2016 and February 16, 2016						
1-Feb-16	5.0	0.68	4.4	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between February 25, 2016 and February 27, 2016						
1-Mar-16	**15**	1.1	**5.4**	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between March 10 and March 16, 2016 and again between March 18 and March 22, 2016						
5-Apr-16	**11**	0.70	3.5	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between April 8 and April 12, 2016 and again between April 19 and 25, 2016						
2-May-16	**6.7**	0.82	1.2	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between May 5 and May 17, 2016 and again between May 19 and 23, 2016						
7-Jun-16	**8.5**	0.91	1.4	ND<0.5	ND<0.5	1.2 J
7-Jul-16	**7.5**	0.78	1.4	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between July 15 and July 18, 2016 and again after July 29, 2016						
2-Aug-16	3.5	0.50	2.6	ND<0.5	ND<0.5	ND<2
The FRWs were shut down between August 10 and August 13, 2016.						
1-Sep-16	2.2	0.48 J	3.8	ND<0.5	ND<0.5	ND<2
FRW-3 was shut down between September 15 and 16, 2016 and again between September 21 and October 4, 2016						
17-Oct-16	1.6	0.47 J	4.7	ND<0.5	ND<0.5	10
The FRWs were off between October 17 and November 14, 2016						
14-Nov-16	1.9	2.1	**29**	0.33 J	ND<0.5	ND<2
The FRWs were off between November 16 and December 1, 2016						
16-Dec-16	2.0	0.50	**7.8**	ND<0.5	ND<0.5	ND<2
The FRWs were off between December 28 to January 3, 2017 and January 5 to January 9, 2017						
9-Jan-17	**16**	1.8	**6.4**	ND<0.5	0.27 J	ND<2
The FRWs were off between January 23 to February 2, 2017						
2-Feb-17	**5.1**	1.4	**17**	ND<0.5	0.27 J	ND<2
The FRWs were off between February 20 to February 22, 2017						
1-Mar-17	4.0	0.60	2.2	ND<0.5	ND<0.5	ND<2
The FRWs were off between March 24 and March 29, 2017						
7-Apr-17	**7.6**	1.2	2.9	ND<0.5	ND<0.5	1.3
The FRWs were off from April 17 to April 26, 2017 and April 27 to May 1, 2017						
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
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

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.

J : Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Method blank contamination, the associated method blank contains the target analyte at a reportable level.
ND: Not detected

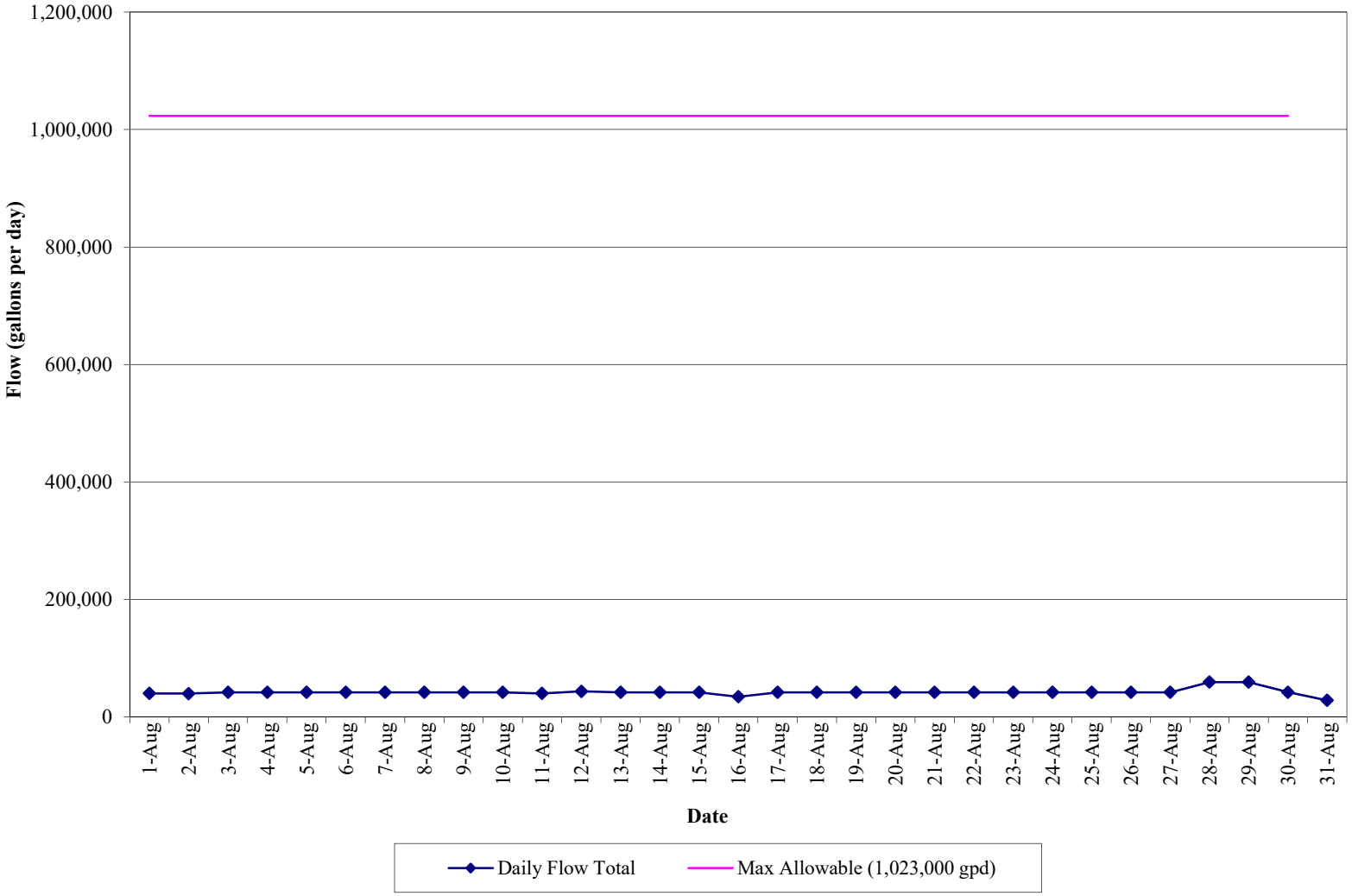
Comments:
As of September 1, 2011 the water samples are analyzed by York Analytical Laboratories, Inc. The laboratory typically uses a reporting limit (RL) for water of 5 ug/l for VOC. York reports detections below 0.5 ug/l as an estimated value; these values are below the RL but greater than or equal 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

GRAPHS

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

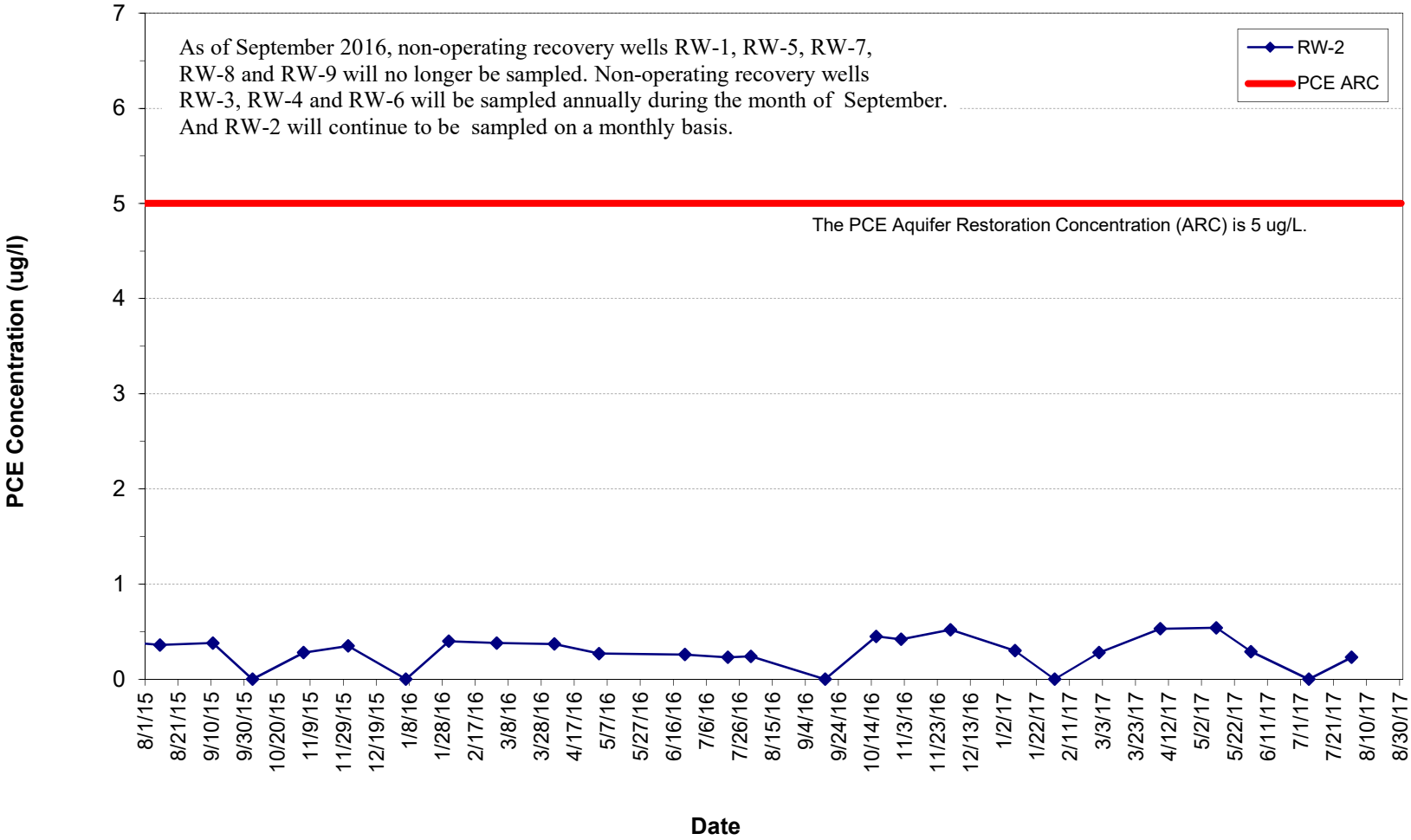
Effluent Flow Data
(August 1, 2017 to August 31, 2017)



GRAPH 2

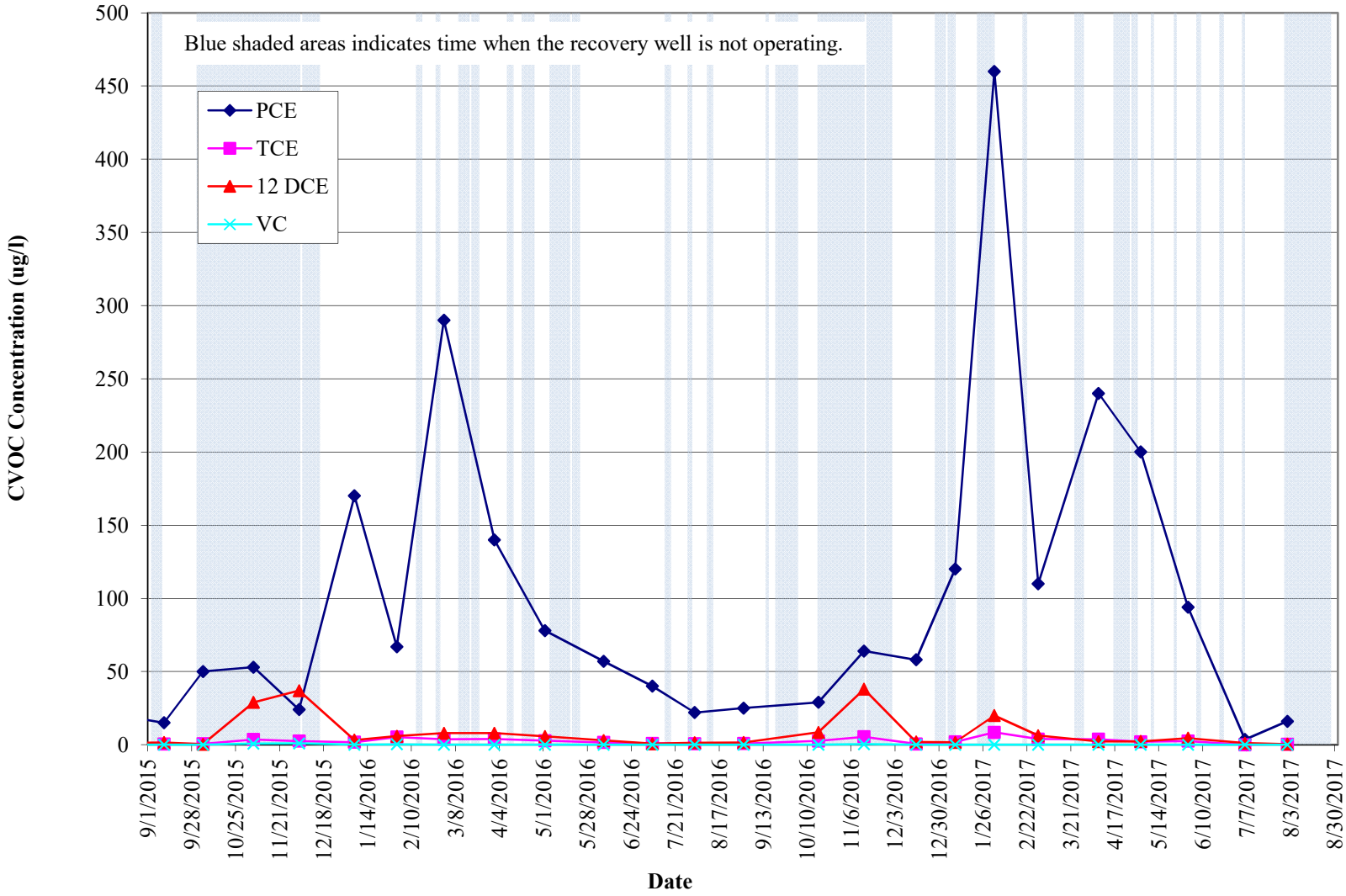
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FSP&T Recovery Well PCE Concentration

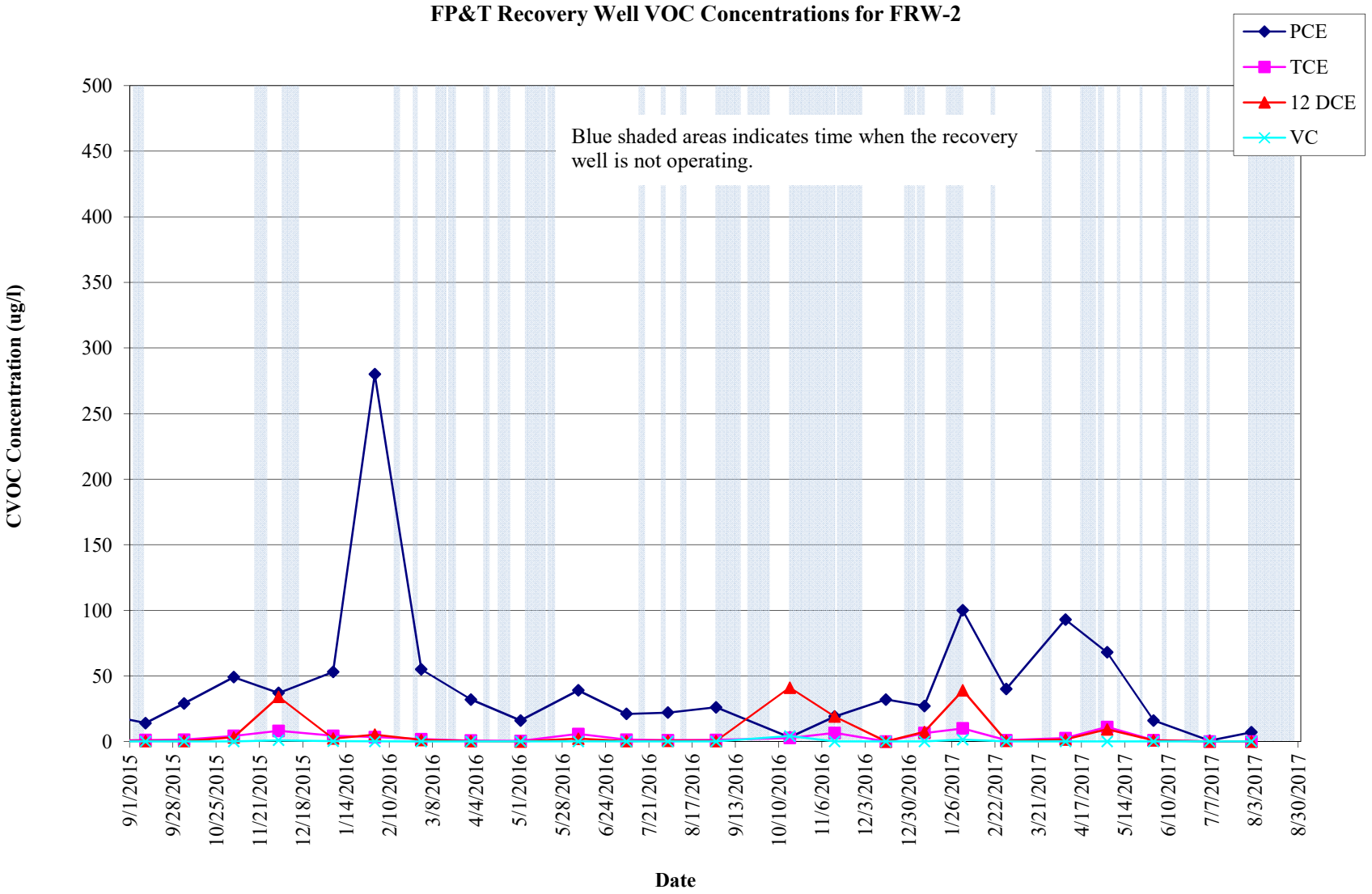


GRAPH 3
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-1

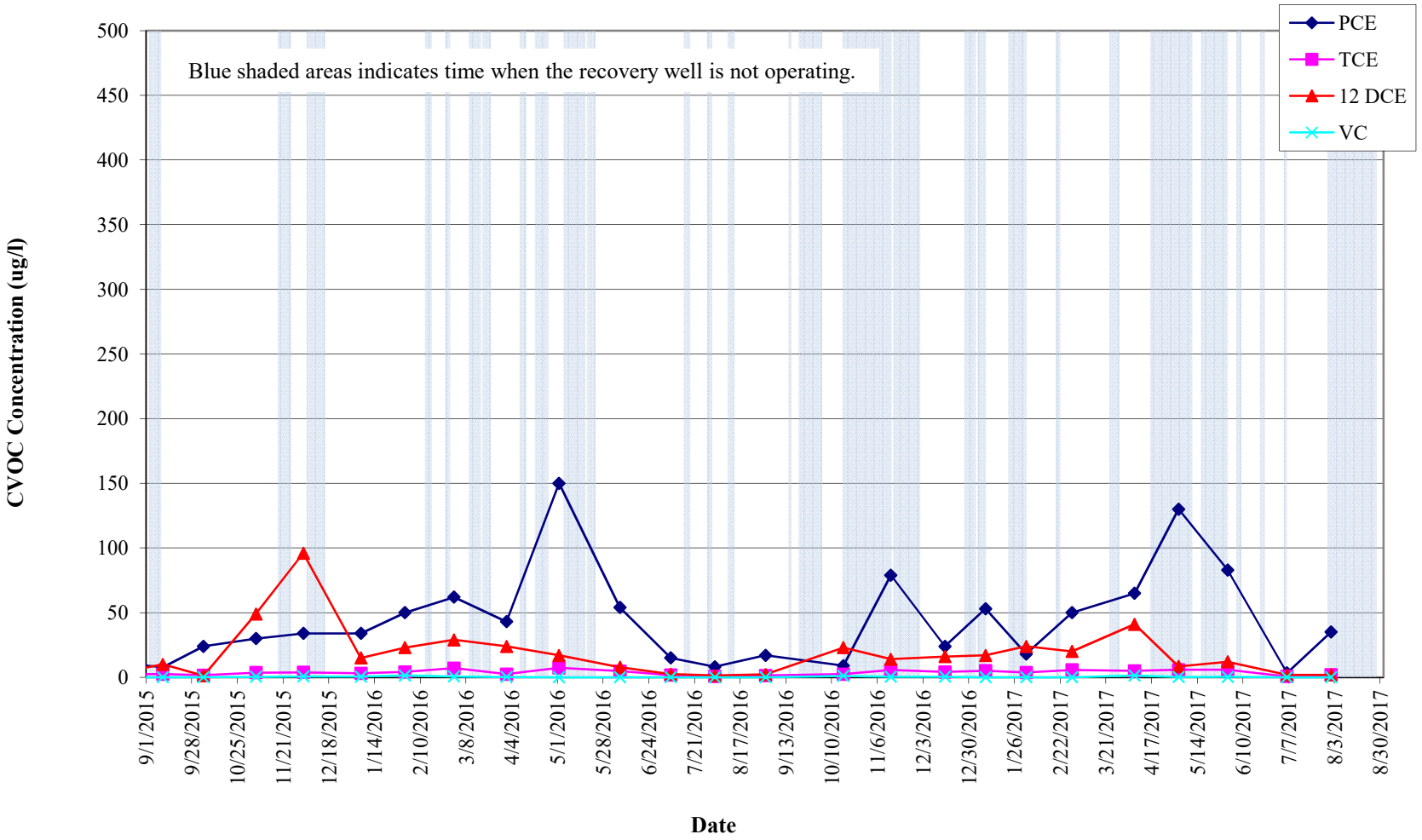


GRAPH 4
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

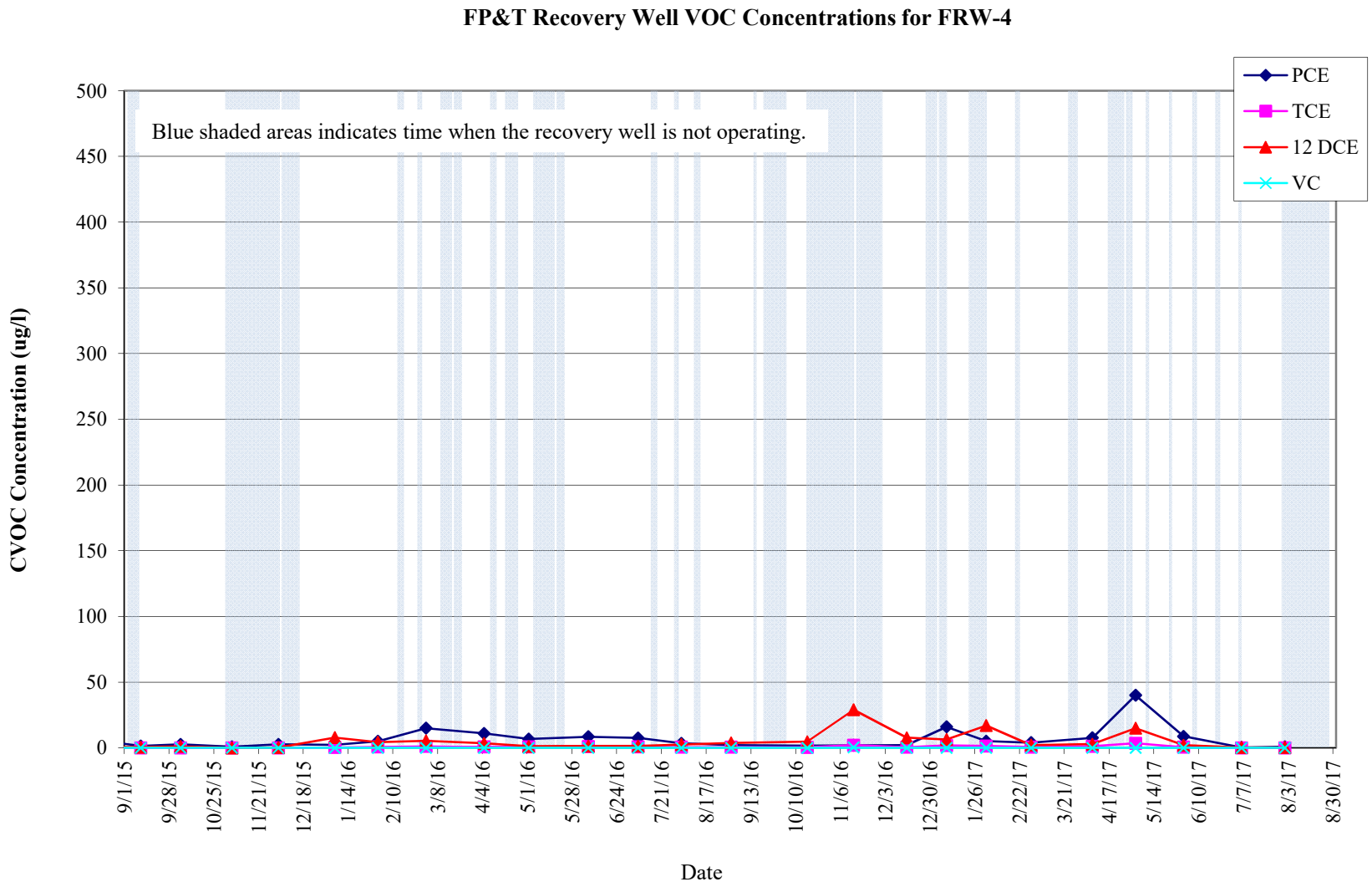


GRAPH 5
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

FP&T Recovery Well VOC Concentrations for FRW-3



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



APPENDIX I
AUGUST 2017 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 08/10/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17H0152

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: 08/10/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17H0152

Leggette Brashears & Graham Shelton Office
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 August 03, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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.

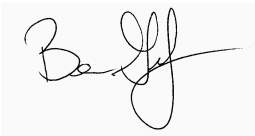
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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
17H0152-01	WQ080117:1300NP2-6	Water	08/01/2017	08/03/2017
17H0154-01	WQ080117:1305NP2-10	Water	08/01/2017	08/03/2017

General Notes for York Project (SDG) No.: 17H0152

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: 08/10/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ080117:1300NP2-6 **York Sample ID:** 17H0152-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0152	Rowe Industries	Water	August 1, 2017 1:00 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS

Sample Information

Client Sample ID: WQ080117:1300NP2-6 **York Sample ID:** 17H0152-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0152	Rowe Industries	Water	August 1, 2017 1:00 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
67-66-3	**Chloroform**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:15	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:15	SS

Sample Information

Client Sample ID: WQ080117:1300NP2-6 **York Sample ID:** 17H0152-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0152	Rowe Industries	Water	August 1, 2017 1:00 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
127-18-4	**Tetrachloroethylene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
79-01-6	**Trichloroethylene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 14:15 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.7 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*110 %*	*79-122*

Sample Information

Client Sample ID: WQ080117:1305NP2-10 **York Sample ID:** 17H0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0154	Rowe Industries	Water	August 1, 2017 1:05 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS

Sample Information

Client Sample ID: WQ080117:1305NP2-10 **York Sample ID:** 17H0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0154	Rowe Industries	Water	August 1, 2017 1:05 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS

Sample Information

Client Sample ID: WQ080117:1305NP2-10 **York Sample ID:** 17H0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0154	Rowe Industries	Water	August 1, 2017 1:05 pm	08/03/2017

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	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 14:47	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	08/10/2017 14:47	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	08/10/2017 14:47	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 14:47	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*97.8 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.2 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*117 %*	*79-122*

Iron by EPA 200.7

Log-in Notes: **Sample Notes:**

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

Sample Information

Client Sample ID: WQ080117:1305NP2-10 **York Sample ID:** 17H0154-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0154	Rowe Industries	Water	August 1, 2017 1:05 pm	08/03/2017

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

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**	**3.00**	B	mg/L	0.0222	1	EPA 200.7	08/09/2017 09:02	08/09/2017 21:51	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**	**0.193**	B	mg/L	0.0222	1	EPA 6010C	08/09/2017 13:26	08/10/2017 14:34	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	**143**		mg/L	10.0	1	SM 2540C	08/03/2017 20:35	08/03/2017 20:35	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BH70215 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
17H0154-01	WQ080117:1305NP2-10	08/03/17
BH70215-BLK1	Blank	08/03/17

Batch ID: BH70402 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17H0154-01	WQ080117:1305NP2-10	08/09/17
BH70402-BLK1	Blank	08/09/17
BH70402-SRM1	Reference	08/09/17

Batch ID: BH70478 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
17H0154-01	WQ080117:1305NP2-10	08/09/17
BH70478-BLK1	Blank	08/09/17
BH70478-DUP1	Duplicate	08/09/17
BH70478-MS1	Matrix Spike	08/09/17
BH70478-SRM1	Reference	08/09/17

Batch ID: BH70484 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17H0152-01	WQ080117:1300NP2-6	08/09/17
17H0154-01	WQ080117:1305NP2-10	08/09/17
BH70484-BLK1	Blank	08/09/17
BH70484-BS1	LCS	08/09/17
BH70484-BSD1	LCS Dup	08/09/17

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 BH70484 - EPA 5030B											
Blank (BH70484-BLK1)											
Prepared: 08/09/2017 Analyzed: 08/10/2017											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.30	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.20	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

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 BH70484 - EPA 5030B											
Blank (BH70484-BLK1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: Toluene-d8	*9.74*		*"*	*10.0*		*97.4*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.6*		*"*	*10.0*		*116*	*79-122*				
LCS (BH70484-BS1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79		"	10.0		97.9	54-165				
1,1,2-Trichloroethane	9.56		"	10.0		95.6	82-123				
1,1-Dichloroethane	9.88		"	10.0		98.8	82-129				
1,1-Dichloroethylene	19.0		"	10.0		190	68-138	High Bias			
1,1-Dichloropropylene	10.0		"	10.0		100	83-133				
1,2,3-Trichlorobenzene	2.78		"	10.0		27.8	76-136	Low Bias			
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	3.88		"	10.0		38.8	76-137	Low Bias			
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	8.21		"	10.0		82.1	45-147				
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	10.2		"	10.0		102	73-132				
1,2-Dichloropropane	9.34		"	10.0		93.4	78-126				
1,3,5-Trimethylbenzene	11.5		"	10.0		115	80-131				
1,3-Dichlorobenzene	10.9		"	10.0		109	86-122				
1,3-Dichloropropane	9.50		"	10.0		95.0	81-125				
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124				
2,2-Dichloropropane	8.87		"	10.0		88.7	56-150				
2-Chlorotoluene	11.4		"	10.0		114	79-130				
2-Hexanone	9.39		"	10.0		93.9	51-146				
4-Chlorotoluene	11.6		"	10.0		116	79-128				
Acetone	8.24		"	10.0		82.4	14-150				
Benzene	10.0		"	10.0		100	85-126				
Bromobenzene	10.8		"	10.0		108	78-129				
Bromochloromethane	9.77		"	10.0		97.7	77-128				
Bromodichloromethane	9.73		"	10.0		97.3	79-128				
Bromoform	9.22		"	10.0		92.2	78-133				
Bromomethane	6.56		"	10.0		65.6	43-168				

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 BH70484 - EPA 5030B											
LCS (BH70484-BS1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
Carbon tetrachloride	10.2		ug/L	10.0		102	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	9.81		"	10.0		98.1	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	8.04		"	10.0		80.4	43-155				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	9.34		"	10.0		93.4	80-131				
Dibromochloromethane	9.94		"	10.0		99.4	80-130				
Dibromomethane	9.37		"	10.0		93.7	72-134				
Dichlorodifluoromethane	8.27		"	10.0		82.7	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	2.72		"	10.0		27.2	67-146	Low Bias			
Isopropylbenzene	12.0		"	10.0		120	76-140				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135				
Methylene chloride	7.57		"	10.0		75.7	55-137				
Naphthalene	4.11		"	10.0		41.1	70-147	Low Bias			
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	20.8		"	20.0		104	77-133				
p-Isopropyltoluene	11.1		"	10.0		111	81-136				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
Styrene	9.14		"	10.0		91.4	67-132				
tert-Butylbenzene	12.0		"	10.0		120	77-138				
Tetrachloroethylene	10.7		"	10.0		107	82-131				
Toluene	9.94		"	10.0		99.4	80-127				
trans-1,2-Dichloroethylene	9.82		"	10.0		98.2	80-132				
trans-1,3-Dichloropropylene	9.43		"	10.0		94.3	78-131				
Trichloroethylene	9.72		"	10.0		97.2	82-128				
Trichlorofluoromethane	10.0		"	10.0		100	67-139				
Vinyl Chloride	9.05		"	10.0		90.5	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH70484 - EPA 5030B											
LCS Dup (BH70484-BSD1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		0.297	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136		0.00	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		1.74	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.74		"	10.0		97.4	54-165		0.512	30	
1,1,2-Trichloroethane	9.46		"	10.0		94.6	82-123		1.05	30	
1,1-Dichloroethane	9.69		"	10.0		96.9	82-129		1.94	30	
1,1-Dichloroethylene	19.3		"	10.0		193	68-138	High Bias	1.25	30	
1,1-Dichloropropylene	9.60		"	10.0		96.0	83-133		4.38	30	
1,2,3-Trichlorobenzene	3.03		"	10.0		30.3	76-136	Low Bias	8.61	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		2.52	30	
1,2,4-Trichlorobenzene	3.93		"	10.0		39.3	76-137	Low Bias	1.28	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		1.08	30	
1,2-Dibromo-3-chloropropane	8.38		"	10.0		83.8	45-147		2.05	30	
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124		0.00	30	
1,2-Dichlorobenzene	9.91		"	10.0		99.1	79-123		1.50	30	
1,2-Dichloroethane	10.0		"	10.0		100	73-132		1.78	30	
1,2-Dichloropropane	9.26		"	10.0		92.6	78-126		0.860	30	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131		1.93	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122		2.41	30	
1,3-Dichloropropane	9.54		"	10.0		95.4	81-125		0.420	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124		0.656	30	
2,2-Dichloropropane	8.67		"	10.0		86.7	56-150		2.28	30	
2-Chlorotoluene	11.2		"	10.0		112	79-130		2.03	30	
2-Hexanone	9.75		"	10.0		97.5	51-146		3.76	30	
4-Chlorotoluene	11.4		"	10.0		114	79-128		1.39	30	
Acetone	7.88		"	10.0		78.8	14-150		4.47	30	
Benzene	9.92		"	10.0		99.2	85-126		1.10	30	
Bromobenzene	10.6		"	10.0		106	78-129		1.12	30	
Bromochloromethane	9.70		"	10.0		97.0	77-128		0.719	30	
Bromodichloromethane	9.60		"	10.0		96.0	79-128		1.35	30	
Bromoform	9.49		"	10.0		94.9	78-133		2.89	30	
Bromomethane	6.64		"	10.0		66.4	43-168		1.21	30	
Carbon tetrachloride	10.1		"	10.0		101	77-141		1.38	30	
Chlorobenzene	10.0		"	10.0		100	88-120		0.993	30	
Chloroethane	9.78		"	10.0		97.8	65-136		0.306	30	
Chloroform	10.2		"	10.0		102	82-128		0.491	30	
Chloromethane	7.91		"	10.0		79.1	43-155		1.63	30	
cis-1,2-Dichloroethylene	9.84		"	10.0		98.4	83-129		1.91	30	
cis-1,3-Dichloropropylene	9.24		"	10.0		92.4	80-131		1.08	30	
Dibromochloromethane	10.1		"	10.0		101	80-130		1.20	30	
Dibromomethane	9.40		"	10.0		94.0	72-134		0.320	30	
Dichlorodifluoromethane	7.98		"	10.0		79.8	44-144		3.57	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		0.992	30	
Hexachlorobutadiene	2.81		"	10.0		28.1	67-146	Low Bias	3.25	30	
Isopropylbenzene	11.8		"	10.0		118	76-140		1.67	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135		0.288	30	
Methylene chloride	7.55		"	10.0		75.5	55-137		0.265	30	
Naphthalene	4.28		"	10.0		42.8	70-147	Low Bias	4.05	30	
n-Butylbenzene	9.89		"	10.0		98.9	79-132		2.89	30	
n-Propylbenzene	11.6		"	10.0		116	78-133		2.56	30	
o-Xylene	10.1		"	10.0		101	78-130		0.885	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 BH70484 - EPA 5030B											
LCS Dup (BH70484-BSD1)									Prepared: 08/09/2017 Analyzed: 08/10/2017		
p- & m- Xylenes	20.5		ug/L	20.0		102	77-133		1.69	30	
p-Isopropyltoluene	10.9		"	10.0		109	81-136		2.00	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		1.79	30	
Styrene	9.05		"	10.0		90.5	67-132		0.990	30	
tert-Butylbenzene	11.7		"	10.0		117	77-138		2.03	30	
Tetrachloroethylene	10.4		"	10.0		104	82-131		2.47	30	
Toluene	9.87		"	10.0		98.7	80-127		0.707	30	
trans-1,2-Dichloroethylene	9.88		"	10.0		98.8	80-132		0.609	30	
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7	78-131		0.423	30	
Trichloroethylene	9.59		"	10.0		95.9	82-128		1.35	30	
Trichlorofluoromethane	9.77		"	10.0		97.7	67-139		2.53	30	
Vinyl Chloride	8.92		"	10.0		89.2	58-145		1.45	30	
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: Toluene-d8	*9.86*		*"*	*10.0*		*98.6*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*79-122*				

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 BH70402 - EPA 200.7											
Blank (BH70402-BLK1)								Prepared & Analyzed: 08/09/2017			
Iron	0.320	0.0222	mg/L								
Reference (BH70402-SRM1)								Prepared & Analyzed: 08/09/2017			
Iron	1.11		ug/mL	0.759		146	84.9-115	High Bias			
Batch BH70478 - EPA 3015A											
Blank (BH70478-BLK1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
Iron - Dissolved	0.571	0.0222	mg/L								
Duplicate (BH70478-DUP1)	*Source sample: 17H0154-01 (WQ080117:1305NP2-10)							Prepared: 08/09/2017 Analyzed: 08/10/2017			
Iron - Dissolved	0.466	0.0222	mg/L		0.193				82.6	20	Non-dir.
Matrix Spike (BH70478-MS1)	*Source sample: 17H0154-01 (WQ080117:1305NP2-10)							Prepared: 08/09/2017 Analyzed: 08/10/2017			
Iron - Dissolved	2.00	0.0222	mg/L	1.11	0.193	163	75-125	High Bias			
Reference (BH70478-SRM1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
Iron - Dissolved	0.700		ug/mL	0.759		92.3	84.9-115				

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 BH70215 - % Solids Prep											
Blank (BH70215-BLK1)											Prepared & Analyzed: 08/03/2017
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17H0152-01	WQ080117:1300NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17H0154-01	WQ080117:1305NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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, INC.

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. 17H0152

YOUR Information

Company: LBG
Address: 4 Research Dr, Suite 301 Shelton, CT 06484
Phone No: 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGCT.com

Report To:

Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

Rowe Industries.

Purchase Order No.

HABSAG.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package NP2-10 only, pdf.
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison**
- **Excel Spreadsheet**

Compare to the following Regs. (please fill in)

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	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360 Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360 Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ080117:1300NP2-6	8-1-17	GW	[redacted] VOCs, 8260 List (EPA SW846-8260B) plus from 113	3 voa
[redacted]		[redacted]		
WQ080117:1305NP2-10	8-1-17	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/VOCs 8260 List (EPA SW846-8260A) plus from 113 / TDS (SM 2540C)	3 voa, 3 plastic

Comments

Preservation
Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C X Frozen ___ HCl X MeOH ___ HNO_3 X H_2SO_4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Samples Relinquished By — Date/Time: 8/2/17 800
Samples Relinquished By — Date/Time:

Samples Received By: LBG Fridge — Date/Time: 8/2/17 800
Samples Received in LAB by: [redacted] 8-3-17 1735 — Date/Time:

Temperature on Receipt: 2.1 °C

Redd 8/5/17 12:35 (system)

YORK
ANALYTICAL LABORATORIES, INC.

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. 17H0154

YOUR Information
Company: LBG
Address: 4 Research Dr, Suite 301 Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGLT.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
Rowe Industries.

Purchase Order No.
NABSA6

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package NP2-10 only, pdf.
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)
- Simple Excel X
- NYSDEC EQuIS ___
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___
- **York Regulatory Comparison Excel Spreadsheet** ___

Compare to the following Regs. (please fill in):

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	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT 15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Index Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ080117:1300 NP2-6	8-1-17	GW	[redacted] TVOCs, 8260 List (EPA SW846-8260B) plus freon 113	3 voa
[redacted]			↓	
WQ080117:1305 NP2-10	8-1-17	GW	Fe by EPA 200.7/Fe, Dissolved by EPA 6010 (SW846-6010B)/ VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TDS (SM 2540c)	3 voa, 1 plastic

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C X Frozen ___ HCl X MeOH ___ HNO3 X H2SO4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Comments

Samples Relinquished By: [signature] 8/2/17 800 Date/Time
Samples Received By: LBG Fridge 8/2/17 800 Date/Time
Samples Relinquished By: ___ Date/Time
Samples Received in LAB by: [signature] 8-3-17 1735 Date/Time

Temperature on Receipt: 2.1 °C

Rec'd 8/5/17 12:35 (system)

APPENDIX II
AUGUST 2017 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 08/10/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17H0158

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: 08/10/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17H0158

Leggette Brashears & Graham Shelton Office
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 August 03, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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
17H0158-01	WQ080117:1340NP1-1-2	Water	08/01/2017	08/03/2017

General Notes for York Project (SDG) No.: 17H0158

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: 08/10/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ080117:1340NP1-1-2 **York Sample ID:** 17H0158-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0158	Rowe Industries	Water	August 1, 2017 1:40 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS

Sample Information

Client Sample ID: WQ080117:1340NP1-1-2 **York Sample ID:** 17H0158-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0158	Rowe Industries	Water	August 1, 2017 1:40 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
67-66-3	**Chloroform**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 15:53	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 15:53	SS

Sample Information

Client Sample ID: WQ080117:1340NP1-1-2 **York Sample ID:** 17H0158-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0158	Rowe Industries	Water	August 1, 2017 1:40 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
127-18-4	**Tetrachloroethylene**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
79-01-6	**Trichloroethylene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	08/09/2017 17:33	08/10/2017 15:53 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*99.5 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*98.1 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*117 %*	*79-122*

Analytical Batch Summary

Batch ID: BH70484 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17H0158-01	WQ080117:1340NP1-1-2	08/09/17
BH70484-BLK1	Blank	08/09/17
BH70484-BS1	LCS	08/09/17
BH70484-BSD1	LCS Dup	08/09/17

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 BH70484 - EPA 5030B											
Blank (BH70484-BLK1)											
Prepared: 08/09/2017 Analyzed: 08/10/2017											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.30	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.20	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

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 BH70484 - EPA 5030B											
Blank (BH70484-BLK1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: Toluene-d8	*9.74*		*"*	*10.0*		*97.4*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.6*		*"*	*10.0*		*116*	*79-122*				
LCS (BH70484-BS1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.79		"	10.0		97.9	54-165				
1,1,2-Trichloroethane	9.56		"	10.0		95.6	82-123				
1,1-Dichloroethane	9.88		"	10.0		98.8	82-129				
1,1-Dichloroethylene	19.0		"	10.0		190	68-138	High Bias			
1,1-Dichloropropylene	10.0		"	10.0		100	83-133				
1,2,3-Trichlorobenzene	2.78		"	10.0		27.8	76-136	Low Bias			
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	3.88		"	10.0		38.8	76-137	Low Bias			
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	8.21		"	10.0		82.1	45-147				
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	10.2		"	10.0		102	73-132				
1,2-Dichloropropane	9.34		"	10.0		93.4	78-126				
1,3,5-Trimethylbenzene	11.5		"	10.0		115	80-131				
1,3-Dichlorobenzene	10.9		"	10.0		109	86-122				
1,3-Dichloropropane	9.50		"	10.0		95.0	81-125				
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124				
2,2-Dichloropropane	8.87		"	10.0		88.7	56-150				
2-Chlorotoluene	11.4		"	10.0		114	79-130				
2-Hexanone	9.39		"	10.0		93.9	51-146				
4-Chlorotoluene	11.6		"	10.0		116	79-128				
Acetone	8.24		"	10.0		82.4	14-150				
Benzene	10.0		"	10.0		100	85-126				
Bromobenzene	10.8		"	10.0		108	78-129				
Bromochloromethane	9.77		"	10.0		97.7	77-128				
Bromodichloromethane	9.73		"	10.0		97.3	79-128				
Bromoform	9.22		"	10.0		92.2	78-133				
Bromomethane	6.56		"	10.0		65.6	43-168				

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 BH70484 - EPA 5030B											
LCS (BH70484-BS1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
Carbon tetrachloride	10.2		ug/L	10.0		102	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	9.81		"	10.0		98.1	65-136				
Chloroform	10.2		"	10.0		102	82-128				
Chloromethane	8.04		"	10.0		80.4	43-155				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	9.34		"	10.0		93.4	80-131				
Dibromochloromethane	9.94		"	10.0		99.4	80-130				
Dibromomethane	9.37		"	10.0		93.7	72-134				
Dichlorodifluoromethane	8.27		"	10.0		82.7	44-144				
Ethyl Benzene	10.1		"	10.0		101	80-131				
Hexachlorobutadiene	2.72		"	10.0		27.2	67-146	Low Bias			
Isopropylbenzene	12.0		"	10.0		120	76-140				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135				
Methylene chloride	7.57		"	10.0		75.7	55-137				
Naphthalene	4.11		"	10.0		41.1	70-147	Low Bias			
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	20.8		"	20.0		104	77-133				
p-Isopropyltoluene	11.1		"	10.0		111	81-136				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
Styrene	9.14		"	10.0		91.4	67-132				
tert-Butylbenzene	12.0		"	10.0		120	77-138				
Tetrachloroethylene	10.7		"	10.0		107	82-131				
Toluene	9.94		"	10.0		99.4	80-127				
trans-1,2-Dichloroethylene	9.82		"	10.0		98.2	80-132				
trans-1,3-Dichloropropylene	9.43		"	10.0		94.3	78-131				
Trichloroethylene	9.72		"	10.0		97.2	82-128				
Trichlorofluoromethane	10.0		"	10.0		100	67-139				
Vinyl Chloride	9.05		"	10.0		90.5	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: Toluene-d8	*9.83*		*"*	*10.0*		*98.3*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BH70484 - EPA 5030B											
LCS Dup (BH70484-BSD1)								Prepared: 08/09/2017 Analyzed: 08/10/2017			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		0.297	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136		0.00	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		1.74	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.74		"	10.0		97.4	54-165		0.512	30	
1,1,2-Trichloroethane	9.46		"	10.0		94.6	82-123		1.05	30	
1,1-Dichloroethane	9.69		"	10.0		96.9	82-129		1.94	30	
1,1-Dichloroethylene	19.3		"	10.0		193	68-138	High Bias	1.25	30	
1,1-Dichloropropylene	9.60		"	10.0		96.0	83-133		4.38	30	
1,2,3-Trichlorobenzene	3.03		"	10.0		30.3	76-136	Low Bias	8.61	30	
1,2,3-Trichloropropane	10.8		"	10.0		108	77-128		2.52	30	
1,2,4-Trichlorobenzene	3.93		"	10.0		39.3	76-137	Low Bias	1.28	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		1.08	30	
1,2-Dibromo-3-chloropropane	8.38		"	10.0		83.8	45-147		2.05	30	
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124		0.00	30	
1,2-Dichlorobenzene	9.91		"	10.0		99.1	79-123		1.50	30	
1,2-Dichloroethane	10.0		"	10.0		100	73-132		1.78	30	
1,2-Dichloropropane	9.26		"	10.0		92.6	78-126		0.860	30	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131		1.93	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122		2.41	30	
1,3-Dichloropropane	9.54		"	10.0		95.4	81-125		0.420	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124		0.656	30	
2,2-Dichloropropane	8.67		"	10.0		86.7	56-150		2.28	30	
2-Chlorotoluene	11.2		"	10.0		112	79-130		2.03	30	
2-Hexanone	9.75		"	10.0		97.5	51-146		3.76	30	
4-Chlorotoluene	11.4		"	10.0		114	79-128		1.39	30	
Acetone	7.88		"	10.0		78.8	14-150		4.47	30	
Benzene	9.92		"	10.0		99.2	85-126		1.10	30	
Bromobenzene	10.6		"	10.0		106	78-129		1.12	30	
Bromochloromethane	9.70		"	10.0		97.0	77-128		0.719	30	
Bromodichloromethane	9.60		"	10.0		96.0	79-128		1.35	30	
Bromoform	9.49		"	10.0		94.9	78-133		2.89	30	
Bromomethane	6.64		"	10.0		66.4	43-168		1.21	30	
Carbon tetrachloride	10.1		"	10.0		101	77-141		1.38	30	
Chlorobenzene	10.0		"	10.0		100	88-120		0.993	30	
Chloroethane	9.78		"	10.0		97.8	65-136		0.306	30	
Chloroform	10.2		"	10.0		102	82-128		0.491	30	
Chloromethane	7.91		"	10.0		79.1	43-155		1.63	30	
cis-1,2-Dichloroethylene	9.84		"	10.0		98.4	83-129		1.91	30	
cis-1,3-Dichloropropylene	9.24		"	10.0		92.4	80-131		1.08	30	
Dibromochloromethane	10.1		"	10.0		101	80-130		1.20	30	
Dibromomethane	9.40		"	10.0		94.0	72-134		0.320	30	
Dichlorodifluoromethane	7.98		"	10.0		79.8	44-144		3.57	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		0.992	30	
Hexachlorobutadiene	2.81		"	10.0		28.1	67-146	Low Bias	3.25	30	
Isopropylbenzene	11.8		"	10.0		118	76-140		1.67	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135		0.288	30	
Methylene chloride	7.55		"	10.0		75.5	55-137		0.265	30	
Naphthalene	4.28		"	10.0		42.8	70-147	Low Bias	4.05	30	
n-Butylbenzene	9.89		"	10.0		98.9	79-132		2.89	30	
n-Propylbenzene	11.6		"	10.0		116	78-133		2.56	30	
o-Xylene	10.1		"	10.0		101	78-130		0.885	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 BH70484 - EPA 5030B											
LCS Dup (BH70484-BSD1)									Prepared: 08/09/2017 Analyzed: 08/10/2017		
p- & m- Xylenes	20.5		ug/L	20.0		102	77-133		1.69	30	
p-Isopropyltoluene	10.9		"	10.0		109	81-136		2.00	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		1.79	30	
Styrene	9.05		"	10.0		90.5	67-132		0.990	30	
tert-Butylbenzene	11.7		"	10.0		117	77-138		2.03	30	
Tetrachloroethylene	10.4		"	10.0		104	82-131		2.47	30	
Toluene	9.87		"	10.0		98.7	80-127		0.707	30	
trans-1,2-Dichloroethylene	9.88		"	10.0		98.8	80-132		0.609	30	
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7	78-131		0.423	30	
Trichloroethylene	9.59		"	10.0		95.9	82-128		1.35	30	
Trichlorofluoromethane	9.77		"	10.0		97.7	67-139		2.53	30	
Vinyl Chloride	8.92		"	10.0		89.2	58-145		1.45	30	
Surrogate: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: Toluene-d8	*9.86*		*"*	*10.0*		*98.6*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.4*		*"*	*10.0*		*114*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17H0158-01	WQ080117:1340NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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, INC.
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. 17H0158

YOUR Information
Company: LBG
Address: 4 Research Dr, Suite 301
Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGCT.com

Report To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
Rowe Industries.

Purchase Order No.
HABSAG

Samples from. CT___ NY X NJ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package X, pdf
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- York Regulatory Comparison
- Excel Spreadsheet

Compare to the following Regs. (please fill in):

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	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dilution Factors	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEPSewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDECSewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
LBG80117:1340NPI-1-2	8-1-17	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 VOA

Comments

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C X Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Samples Relinquished By — Date/Time: 8/2/17 800
Samples Relinquished By — Date/Time:
Samples Received By: LBG Fridge — Date/Time: 8/2/17 800
Samples Received in LAB by: — Date/Time: 8-3-17 1135

Temperature on Receipt 2.1 °C

Rec'd A 8/3/17 12:35

(RW & FRW)

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 08/11/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17H0156

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: 08/11/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17H0156

Leggette Brashears & Graham Shelton Office
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 August 03, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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
17H0156-01	WQ080117: 1320 FRW-1	Water	08/01/2017	08/03/2017
17H0156-02	WQ080117: 1325 FRW-2	Water	08/01/2017	08/03/2017
17H0156-03	WQ080117: 1330 FRW-3	Water	08/01/2017	08/03/2017
17H0156-04	WQ080117: 1335 FRW-4	Water	08/01/2017	08/03/2017

General Notes for York Project (SDG) No.: 17H0156

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: 08/11/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ080117: 1320 FRW-1 **York Sample ID:** 17H0156-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:20 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS

Sample Information

Client Sample ID: WQ080117: 1320 FRW-1 **York Sample ID:** 17H0156-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:20 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.44**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:07	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:07	SS

Sample Information

Client Sample ID: WQ080117: 1320 FRW-1 **York Sample ID:** 17H0156-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:20 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
127-18-4	**Tetrachloroethylene**	**16**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
79-01-6	**Trichloroethylene**	**0.41**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:07 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*96.4 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*108 %*	*79-122*

Sample Information

Client Sample ID: WQ080117: 1325 FRW-2 **York Sample ID:** 17H0156-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:25 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS

Sample Information

Client Sample ID: WQ080117: 1325 FRW-2 **York Sample ID:** 17H0156-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:25 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
67-64-1	**Acetone**	**2.1**	SCAL-E	ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/10/2017 23:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/10/2017 23:38	SS

Sample Information

Client Sample ID: WQ080117: 1325 FRW-2 **York Sample ID:** 17H0156-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:25 pm	08/03/2017

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	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
127-18-4	**Tetrachloroethylene**	**7.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	08/10/2017 15:38	08/10/2017 23:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.5 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*	*79-122*

Sample Information

Client Sample ID: WQ080117: 1330 FRW-3 **York Sample ID:** 17H0156-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:30 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS

Sample Information

Client Sample ID: WQ080117: 1330 FRW-3 **York Sample ID:** 17H0156-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:30 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
67-64-1	**Acetone**	**1.6**	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.9**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:11	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:11	SS

Sample Information

Client Sample ID: WQ080117: 1330 FRW-3 **York Sample ID:** 17H0156-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:30 pm	08/03/2017

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	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
127-18-4	**Tetrachloroethylene**	**35**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
79-01-6	**Trichloroethylene**	**1.9**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	08/10/2017 15:38	08/11/2017 00:11 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*96.8 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*112 %*	*79-122*

Sample Information

Client Sample ID: WQ080117: 1335 FRW-4 **York Sample ID:** 17H0156-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:35 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS

Sample Information

Client Sample ID: WQ080117: 1335 FRW-4 **York Sample ID:** 17H0156-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:35 pm	08/03/2017

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	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
67-64-1	**Acetone**	**1.6**	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS

Sample Information

Client Sample ID: WQ080117: 1335 FRW-4 **York Sample ID:** 17H0156-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17H0156	Rowe Industries	Water	August 1, 2017 1:35 pm	08/03/2017

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	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	08/10/2017 15:38 NELAC-NY10854,NJDEP,NELAC-NY10854-Que	08/11/2017 00:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	08/11/2017 00:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NELAC-NY10854-Qu	08/11/2017 00:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
127-18-4	**Tetrachloroethylene**	**0.80**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	08/10/2017 15:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY1(	08/11/2017 00:43	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*111 %*	*79-122*

Analytical Batch Summary

Batch ID: BH70512 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17H0156-01	WQ080117: 1320 FRW-1	08/10/17
17H0156-02	WQ080117: 1325 FRW-2	08/10/17
17H0156-03	WQ080117: 1330 FRW-3	08/10/17
17H0156-04	WQ080117: 1335 FRW-4	08/10/17
BH70512-BLK1	Blank	08/10/17
BH70512-BS1	LCS	08/10/17
BH70512-BSD1	LCS Dup	08/10/17

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 BH70512 - EPA 5030B											
Blank (BH70512-BLK1)											Prepared & Analyzed: 08/10/2017
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.25	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

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 BH70512 - EPA 5030B											
Blank (BH70512-BLK1)								Prepared & Analyzed: 08/10/2017			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: Toluene-d8	*9.78*		*"*	*10.0*		*97.8*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.6*		*"*	*10.0*		*116*	*79-122*				
LCS (BH70512-BS1)								Prepared & Analyzed: 08/10/2017			
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	10.4		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	11.1		"	10.0		111	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.86		"	10.0		98.6	54-165				
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123				
1,1-Dichloroethane	10.2		"	10.0		102	82-129				
1,1-Dichloroethylene	19.2		"	10.0		192	68-138	High Bias			
1,1-Dichloropropylene	10.0		"	10.0		100	83-133				
1,2,3-Trichlorobenzene	3.76		"	10.0		37.6	76-136	Low Bias			
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128				
1,2,4-Trichlorobenzene	4.93		"	10.0		49.3	76-137	Low Bias			
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	9.06		"	10.0		90.6	45-147				
1,2-Dibromoethane	10.3		"	10.0		103	83-124				
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123				
1,2-Dichloroethane	10.4		"	10.0		104	73-132				
1,2-Dichloropropane	10.0		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	80-131				
1,3-Dichlorobenzene	11.1		"	10.0		111	86-122				
1,3-Dichloropropane	10.3		"	10.0		103	81-125				
1,4-Dichlorobenzene	11.0		"	10.0		110	85-124				
2,2-Dichloropropane	11.1		"	10.0		111	56-150				
2-Chlorotoluene	11.6		"	10.0		116	79-130				
2-Hexanone	10.9		"	10.0		109	51-146				
4-Chlorotoluene	11.8		"	10.0		118	79-128				
Acetone	8.72		"	10.0		87.2	14-150				
Benzene	10.5		"	10.0		105	85-126				
Bromobenzene	11.2		"	10.0		112	78-129				
Bromochloromethane	10.5		"	10.0		105	77-128				
Bromodichloromethane	10.1		"	10.0		101	79-128				
Bromoform	9.63		"	10.0		96.3	78-133				
Bromomethane	6.45		"	10.0		64.5	43-168				

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 BH70512 - EPA 5030B											
LCS (BH70512-BS1)								Prepared & Analyzed: 08/10/2017			
Carbon tetrachloride	10.2		ug/L	10.0		102	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	9.76		"	10.0		97.6	65-136				
Chloroform	10.4		"	10.0		104	82-128				
Chloromethane	7.90		"	10.0		79.0	43-155				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	9.96		"	10.0		99.6	72-134				
Dichlorodifluoromethane	6.72		"	10.0		67.2	44-144				
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	3.61		"	10.0		36.1	67-146	Low Bias			
Isopropylbenzene	12.2		"	10.0		122	76-140				
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135				
Methylene chloride	8.06		"	10.0		80.6	55-137				
Naphthalene	5.20		"	10.0		52.0	70-147	Low Bias			
n-Butylbenzene	10.8		"	10.0		108	79-132				
n-Propylbenzene	12.1		"	10.0		121	78-133				
o-Xylene	10.7		"	10.0		107	78-130				
p- & m- Xylenes	21.5		"	20.0		108	77-133				
p-Isopropyltoluene	11.3		"	10.0		113	81-136				
sec-Butylbenzene	12.0		"	10.0		120	79-137				
Styrene	9.59		"	10.0		95.9	67-132				
tert-Butylbenzene	11.9		"	10.0		119	77-138				
Tetrachloroethylene	10.0		"	10.0		100	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131				
Trichloroethylene	9.98		"	10.0		99.8	82-128				
Trichlorofluoromethane	9.56		"	10.0		95.6	67-139				
Vinyl Chloride	8.75		"	10.0		87.5	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*69-130*				
Surrogate: Toluene-d8	*9.76*		*"*	*10.0*		*97.6*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				

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

Batch BH70512 - EPA 5030B

LCS Dup (BH70512-BSD1) Prepared & Analyzed: 08/10/2017

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		1.24	30	
1,1,1-Trichloroethane	10.5		"	10.0		105	78-136		0.671	30	
1,1,2,2-Tetrachloroethane	11.6		"	10.0		116	76-129		4.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.94		"	10.0		99.4	54-165		0.808	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123		0.485	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		0.785	30	
1,1-Dichloroethylene	19.4		"	10.0		194	68-138	High Bias	1.35	30	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		1.19	30	
1,2,3-Trichlorobenzene	3.89		"	10.0		38.9	76-136	Low Bias	3.40	30	
1,2,3-Trichloropropane	11.4		"	10.0		114	77-128		2.58	30	
1,2,4-Trichlorobenzene	5.06		"	10.0		50.6	76-137	Low Bias	2.60	30	
1,2,4-Trimethylbenzene	11.9		"	10.0		119	82-132		4.31	30	
1,2-Dibromo-3-chloropropane	9.40		"	10.0		94.0	45-147		3.68	30	
1,2-Dibromoethane	10.4		"	10.0		104	83-124		1.06	30	
1,2-Dichlorobenzene	10.7		"	10.0		107	79-123		3.23	30	
1,2-Dichloroethane	10.4		"	10.0		104	73-132		0.481	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		1.38	30	
1,3,5-Trimethylbenzene	12.2		"	10.0		122	80-131		4.37	30	
1,3-Dichlorobenzene	11.5		"	10.0		115	86-122		3.27	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		0.291	30	
1,4-Dichlorobenzene	11.3		"	10.0		113	85-124		2.69	30	
2,2-Dichloropropane	10.9		"	10.0		109	56-150		1.18	30	
2-Chlorotoluene	12.1		"	10.0		121	79-130		3.88	30	
2-Hexanone	10.8		"	10.0		108	51-146		0.924	30	
4-Chlorotoluene	12.2		"	10.0		122	79-128		3.16	30	
Acetone	9.12		"	10.0		91.2	14-150		4.48	30	
Benzene	10.4		"	10.0		104	85-126		0.862	30	
Bromobenzene	11.4		"	10.0		114	78-129		2.30	30	
Bromochloromethane	10.4		"	10.0		104	77-128		1.72	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		1.77	30	
Bromoform	9.81		"	10.0		98.1	78-133		1.85	30	
Bromomethane	6.46		"	10.0		64.6	43-168		0.155	30	
Carbon tetrachloride	10.3		"	10.0		103	77-141		0.293	30	
Chlorobenzene	10.6		"	10.0		106	88-120		0.952	30	
Chloroethane	9.63		"	10.0		96.3	65-136		1.34	30	
Chloroform	10.4		"	10.0		104	82-128		0.673	30	
Chloromethane	7.94		"	10.0		79.4	43-155		0.505	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		0.656	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		0.966	30	
Dibromochloromethane	10.6		"	10.0		106	80-130		0.0948	30	
Dibromomethane	9.98		"	10.0		99.8	72-134		0.201	30	
Dichlorodifluoromethane	6.72		"	10.0		67.2	44-144		0.00	30	
Ethyl Benzene	10.7		"	10.0		107	80-131		1.60	30	
Hexachlorobutadiene	3.70		"	10.0		37.0	67-146	Low Bias	2.46	30	
Isopropylbenzene	12.6		"	10.0		126	76-140		3.31	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		1.76	30	
Methylene chloride	8.05		"	10.0		80.5	55-137		0.124	30	
Naphthalene	5.18		"	10.0		51.8	70-147	Low Bias	0.385	30	
n-Butylbenzene	11.1		"	10.0		111	79-132		3.56	30	
n-Propylbenzene	12.6		"	10.0		126	78-133		4.37	30	
o-Xylene	10.8		"	10.0		108	78-130		1.30	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 BH70512 - EPA 5030B											
LCS Dup (BH70512-BSD1)								Prepared & Analyzed: 08/10/2017			
p- & m- Xylenes	22.0		ug/L	20.0		110	77-133		2.02	30	
p-Isopropyltoluene	11.8		"	10.0		118	81-136		3.99	30	
sec-Butylbenzene	12.5		"	10.0		125	79-137		4.24	30	
Styrene	9.68		"	10.0		96.8	67-132		0.934	30	
tert-Butylbenzene	12.5		"	10.0		125	77-138		4.85	30	
Tetrachloroethylene	10.3		"	10.0		103	82-131		2.46	30	
Toluene	10.5		"	10.0		105	80-127		1.83	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		0.195	30	
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131		1.15	30	
Trichloroethylene	10.2		"	10.0		102	82-128		2.28	30	
Trichlorofluoromethane	9.54		"	10.0		95.4	67-139		0.209	30	
Vinyl Chloride	8.81		"	10.0		88.1	58-145		0.683	30	
Surrogate: 1,2-Dichloroethane-d4	*9.65*		*"*	*10.0*		*96.5*	*69-130*				
Surrogate: Toluene-d8	*9.86*		*"*	*10.0*		*98.6*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17H0156-01	WQ080117: 1320 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17H0156-02	WQ080117: 1325 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17H0156-03	WQ080117: 1330 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17H0156-04	WQ080117: 1335 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

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, INC.

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. 17H0156

YOUR Information
Company: LBG
Address: 4 Research Dr, Suite 301 Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGCT.com

Report To:
Company: Same
Address:
Phone No.
Attention.
E-Mail Address:

Invoice To:
Company: Same
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID
Rowe Industries

Purchase Order No.
NABSA6

Samples from: CT___ NY X NJ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package X, pdf
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison**
- **Excel Spreadsheet**

Compare to the following Regs. (please fill in):

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)

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Duplicate Forms	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv.Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

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

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WG080117: 1320 FRW-1	8-1-17	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 VOA
: 1325 FRW-2				
: 1330 FRW-3				
: 1335 FRW-4				

Comments

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C X Frozen ___ HCl ___ MeOH X HNO3 ___ H2SO4 ___ NaOH ___
ZnAc Ascorbic Acid Other

Samples Relinquished By 8/2/17 800 Date/Time

Samples Relinquished By Date/Time

Samples Received By LBG Fridge 8/2/17 800 Date/Time

Samples Received in LAB by 8-3-17 1235 Date/Time

Temperature on Receipt 2.1 °C

Rec'd @ 8/3/17 12:35

(RW & FRW)