PROJECT STATUS MEMORANDUM

TO: Pamela Tames, USEPA

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

SUBJECT: Rowe Industries Superfund Site
NYS Site ID No. 152106
Groundwater Recovery and Treatment System
DRAFT January 2021 Status Report

DATE: May 4, 2021

WSP USA (WSP) commenced operation of the Full-Scale Pump and Treat (FSP&T) groundwater remediation system at the above-referenced site on December 17, 2002. Starting in September 2008, the groundwater recovered by the Focus Pump and Treat (FP&T) system was routed to the FSP&T system for treatment. As of 2014, the FSP&T system only treats water extracted from RW-2; the other FSP&T recovery wells (RW-1, 3, 4, 5, 6, 7, 8, and 9) have been shut down with USEPA approval after achieving remediation standards. In February 2020, the FP&T system, which consists of four focused recover wells (FRW-1, FRW-2, FRW-3 and FRW-4), was turned off with EPA approval to conduct in-situ injection to treat contaminants in the former drum storage area (FDSA). This status report presents a summary of performance, operation and maintenance for the FSP&T system and monitoring activities for the site from January 1, 2021 through January 31, 2021. 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

(January 1, 2021 through January 31, 2021)

1. Hours of operation during the reporting period:	742 hours (99.8%)
2. Alarm conditions during the reporting period:	See Table 1
3. Were the State Pollutant Discharge Elimination System (SPDES) volatile organic compounds (VOC) discharge permit criteria achieved:	Yes, (see Table 2, App. I)
4. Total volume of water pumped during the reporting period:	1,135,531 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 (see Graph 2)
7. Cumulative mass of VOCs recovered since startup on 12/17/02: (calculations can be provided upon request)	230.1 pounds
8. Effluent VOC vapor concentration for the reporting period:	0.03 mg/m^3 (see Table 4, App. II)
9. Was the effluent VOC vapor emission rate below 0.022 lbs./hr.: (calculations can be provided upon request)	Yes (0.00039 lbs./hr.)

WSP USA
4 Research Drive, Suite 204
Shelton, CT 06484

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wsp.com

PUMP AND TREAT SYSTEM STATUS SUMMARY

On January 5, 2021, the phone line was repaired by the Verizon phone service technician. A small water leak was observed in the flange of the vapor phase carbon ducting. This condition will continue to be monitored and will be repair during the next major cleaning event scheduled for the late spring. The remaining O&M activities for the FSP&T system are included in Table 1.

SUMMARY OF SAMPLING ACTIVITIES

January 2021 groundwater quality sampling was completed for the following wells:

- A monthly groundwater sample was collected from RW-2 on January 5, 2021.

Table 3 presents a summary of the quality results for water samples collected from downgradient recovery well RW-2. Graph 3 presents tetrachloroethylene (PCE) concentrations for samples collected from RW-2 for the last 24 months. The laboratory analytical report for the water sample collected from the recovery well is included as Appendix I. Because RW-2 is the only well operating, the sample from that well also serves as the influent system sample.

The PCE, trichloroethylene (TCE), cis-1,2-dichloroethylene (cis-DCE), vinyl chloride (VC) and trichloroethane (TCA) concentrations in the groundwater sample collected from RW-2 were below the respective Applicable or Relevant and Appropriate Requirements (ARARs); concentrations at RW-2 have been below the ARARs for over 10 years. A groundwater sample from RW-2 will continue to be collected and analyzed monthly.

FUTURE O&M ACTIVITIES

O&M activities scheduled for February 2021 include:

- monitor air stripper main blower operation and leak at flange for booster blower air duct; and
- normal bi-weekly/monthly O&M activities.

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

H:\NABIS\2021\Monthly Reports\January\Draft Status Report - Jan 2021.docx

TABLES

TABLE 1

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

MAINTENANCE LOG
(January 1, 2021 through January 31, 2021)

Date	Time	System Changes/Modifications	Personnel
1/5/21		Air-stripper main blower operation appears to be operating at variable speed. Continue to monitor blower operation.	SP
		Collected a sample from RW-2 and the effluent of the system.	SP
		Repaired damaged phone line.	Verizon, SP
		Small leak of water from flange for vapor phase carbon vessel ducting. Continue to monitor and repair during next major cleaning event.	SP
1/15/20		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. Cleaned filter baskets and housings.	SP
		Collected quarterly air samples for the vapor phase carbon.	SP
		Similar observations to 1/5/21.	SP

Notes:

SP Scott Philbrick, WSP USA

H:\NABIS\2021\Monthly Reports\January\Table 1 Maintenance Record - Jan 2021.docx

TABLE 2

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

Effluent Water Quality Results

Date Sampled [2/]	pH [1/]	TDS [4/] (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)
SPDES Limits	**6.5 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**
7-Jan-20	6.8	175	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
4-Feb-20	7.0	122	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
2-Mar-20	7.0	137	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
2-Apr-20	7.0	161	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
7-May-20	7.0	299	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
2-Jun-20	6.8	174	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
7-Jul-20	7.0	125	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
7-Aug-20	6.8	178	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
1-Sep-20	6.8	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
1-Oct-20	6.8	148	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
2-Nov-20	7.0	889	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
2-Dec-20	7.0	105	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5
5-Jan-21	7.0	206	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5

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

J: Analyte detected below quantitation limits, value shown is a laboratory estimate.
B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
ND: Not detected NA: Not Analyzed
C = CCV-E: The value reported is estimated The value is estimated due to its behavior during continuing calibration verification.
Q = QL-02: This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

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 effluent pH was 7.0 on January 15, 2021. Historic pH measurements from recovery wells indicate that natural background pH concentrations are less than 6.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month in accordance with the SPDES requirements.

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	7-Jan-20	0.250	0.380	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	4-Feb-20	0.270 Q	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-Mar-20	1.67 C	0.250	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Apr-20	0.230	0.230 Q	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	7-May-20	0.240	ND<0.5	ND<0.5	0.210	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-Jun-20	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
	7-Jul-20	0.220	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
	7-Aug-20	ND<0.5	ND<0.5	ND<0.5	0.260	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-Sep-20	ND<0.5	0.310	ND<0.5	0.330	ND<0.5	ND<0.5	0.260	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	1-Oct-20	ND<0.5	0.330	ND<0.5	0.210	ND<0.5	ND<0.5	0.210	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Nov-20	0.350	ND<0.5	ND<0.5	0.220	ND<0.5	ND<0.5	1.42	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	2-Dec-20	0.400	0.480	ND<0.5	0.230	ND<0.5	ND<0.5	0.640	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5
	5-Jan-21	ND<0.5	0.490	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.460	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<1	ND<0.5

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

ND: Not detected
<#: Less than method detection limit
ug/L: Micrograms per liter
-: Not analyzed

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

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

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

S = SCAL-E: The value reported is estimated. The value is estimated due to its behavior during initial calibration.

Q = QL-02: This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

ARAR's are chemical specific aquifer restoration goals for groundwater 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 exceedance 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

Carbon Unit System Air-Quality Results

Precarbon

Sample Name	Date	Time	Parameters (mg/m3) PCE	TCE	TCA	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	TOTAL VOCs
AQ041619:1300NP4-1	4/16/2019	13:00	0.0056	0.0047	0.0011	ND	0.0010	ND	ND	ND	ND	0.0047	0.0008	ND	ND	0.03
AQ071919:1055NP4-1	7/19/2019	10:55	0.0290	0.0074	ND	ND	0.0006	ND	0.0079	0.0050	0.0017	0.0017	0.0420	0.0019	ND	0.17
AQ101519:0812NP4-1	10/15/2019	8:12	ND	ND	ND	ND	ND	ND	0.0390	0.0041	0.0014	ND	ND	0.0013	ND	0.09
AQ012120NP4-1	1/21/2020		0.0290	0.0036	0.0085	ND	0.0022	ND	0.0009	ND	ND	0.0015	0.0011	ND	ND	1.09
AQ041620:930NP4-1	4/16/2020	9:30	ND	ND	ND	ND	ND	ND	0.0006	ND	ND	ND	ND	ND	ND	0.04
AQ072120:930NP4-1	7/21/2020	9:30	0.0190	0.0009	ND	ND	0.00077	ND	0.0099	0.0035	0.0011	ND	0.0026	0.0011	ND	0.18
AQ101520:815NP4-1	10/15/2020	8:15	ND	ND	ND	ND	0.00166	ND	ND	ND	ND	ND	ND	ND	ND	0.05
AQ011521:1045NP4-1	1/15/2021	10:45	0.00059	0.00038	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.01

Postcarbon

Sample Name	Date	Time	Parameters (mg/m3) PCE	TCE	TCA	DCA	cis-DCE	trans-DCE	Toluene	m&p-Xylenes	o-Xylene	CF	MC	EB	Freon 113	TOTAL VOCs
AQ041619:1305:NP4-3	4/16/2019	13:05	0.0031	ND	0.0009	ND	0.0030	ND	0.0210	0.0120	0.0047	0.0011	0.0045	0.0035	ND	0.10
AQ071919:1100NP4-3	7/19/2019	11:00	ND	ND	ND	ND	0.0011	ND	0.0032	0.0013	0.0006	ND	0.0037	ND	ND	0.05
AQ101519:0814NP4-3	10/15/2019	8:14	ND	ND	0.0013	ND	0.0029	ND	0.0420	0.0120	0.0040	0.0009	0.0036	0.0040	0.0013	0.13
AQ01210NP4-3	1/21/2020		ND	ND	ND	ND	0.0012	ND	ND	ND	ND	ND	0.0027	ND	ND	0.07
AQ041620:940NP4-3	4/16/2020	9:40	0.0021	0.00024	ND	ND	0.0014	ND	0.0050	0.0035	0.0009	ND	ND	0.0011	ND	0.14
AQ072120:935NP4-3	7/21/2020	9:35	0.0051	ND	ND	ND	0.00089	ND	0.0220	0.0074	0.0020	ND	0.0011	0.0023	ND	0.50
AQ101520:0822NP4-3	10/15/2020	8:22	0.0004	ND	ND	ND	ND	ND	0.0020	0.0011	ND	ND	ND	ND	ND	0.09
AQ011521:1050NP4-3	1/15/2021	10:50	ND	ND	ND	ND	0.00157	ND	ND	ND	ND	ND	ND	ND	ND	0.03

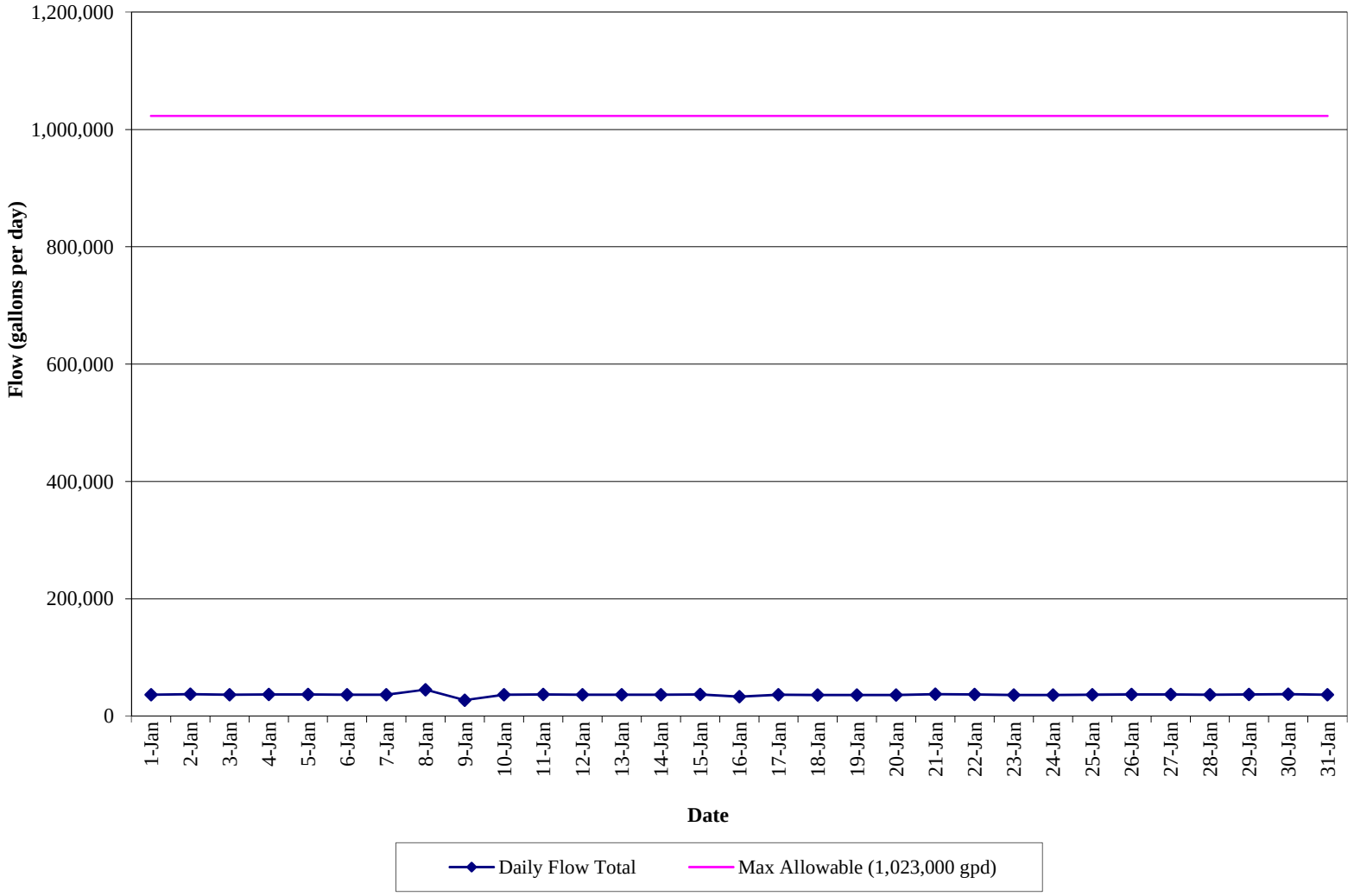
PCE: Tetrachloroethylene
TCE: Trichloroethene
TCA: 1,1,1-Trichloroethane
DCE: 1,1-Dichloroethene
DCA: 1,1-Dichloroethane
cis-DCE: cis-1,2-Dichloroethene
trans-DCE: trans-1,2-Dichloroethylene
CF: Chloroform
MC: Methylene Chloride
EB: Ethylbenzene

Notes: NA - Not Applicable.
NS - Not Sampled
ND - Not Detected
B - Method blank contamination, the associated method blank contains the target analyte at a reportable level.
The air-quality results summarized above are for the compounds listed in the FSP&T groundwater discharge permit. Low concentrations of additional compounds are accounted for in the Total VOCs column, however, are not listed.

GRAPHS

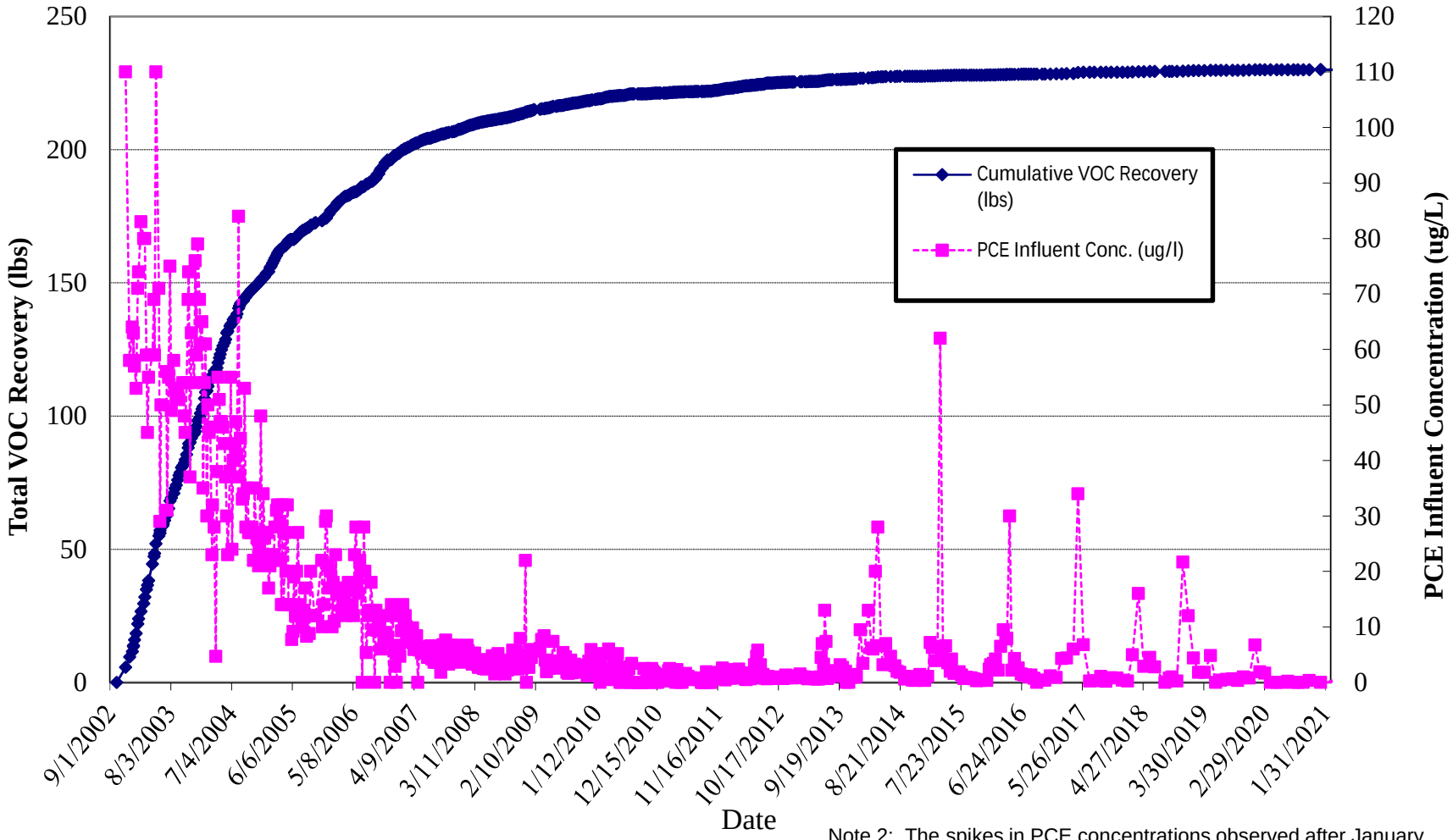
GRAPH 1
GROUNDWATER REMEDIAL ACTION
ROWE INDUSTRIES SUPERFUND SITE
SAG HARBOR, NEW YORK

Effluent Flow Data
(January 1, 2021 to January 31, 2021)



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

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



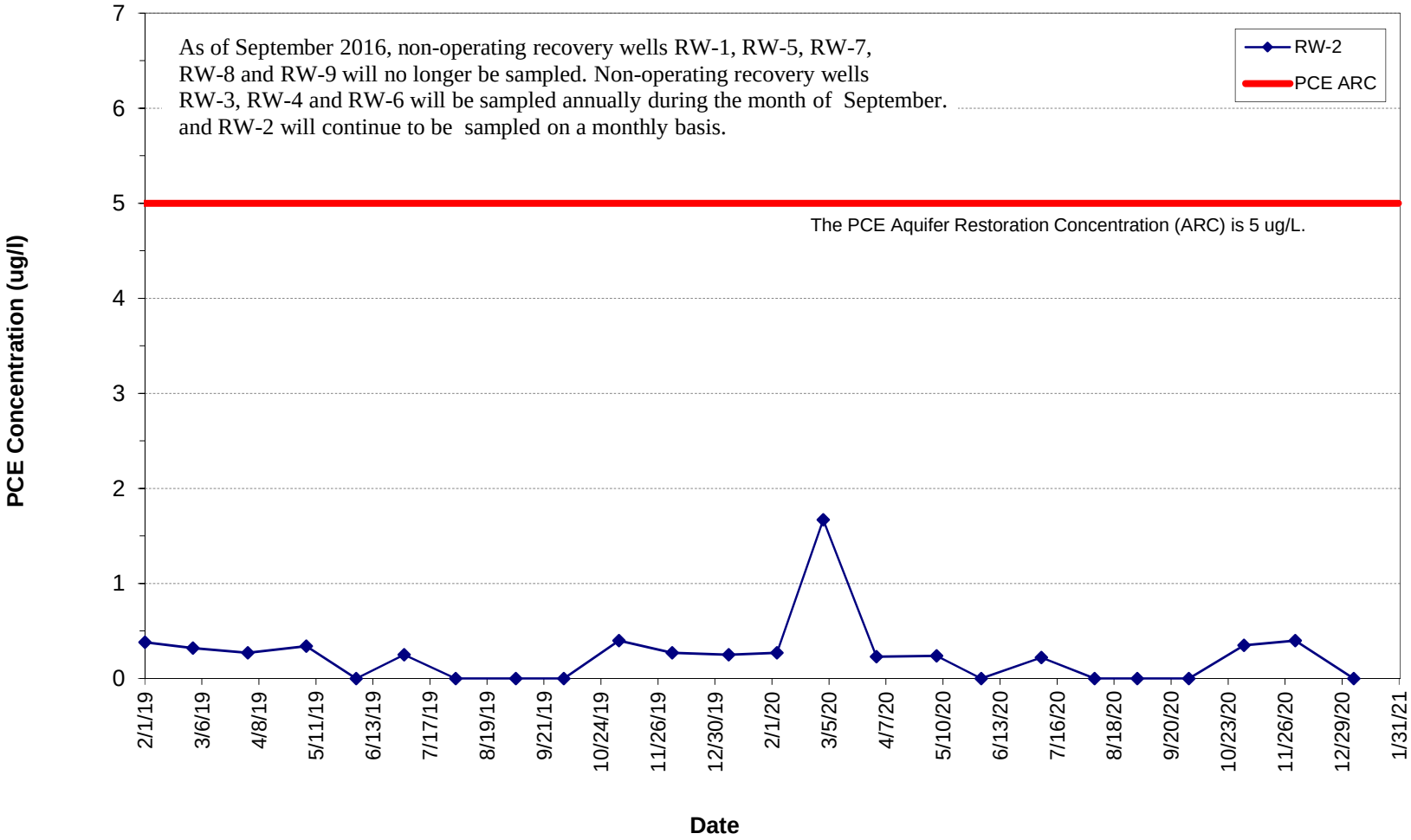
Note 1 : After September 22, 2008, the water recovered from the FP&T System is included in the results shown in this graph.

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

GRAPH 3

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

FSP&T Recovery Well PCE Concentration



APPENDIX I

JANUARY 2021 LABORATORY ANALYTICAL REPORT

FOR FSP&T SYSTEM AND RW-2

Technical Report

prepared for:

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

Report Date: 01/12/2021
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 21A0075

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: 01/12/2021
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 21A0075

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

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on January 05, 2021 and listed below. The project was identified as your project: **31401451.000 Task 01.00 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
21A0075-01	WQ010521: 09:15 NP1-1-2	Water	01/05/2021	01/05/2021
21A0075-02	WQ010521: 09:00 NP2-10	Water	01/05/2021	01/05/2021

General Notes for York Project (SDG) No.: 21A0075

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: 01/12/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ010521: 09:15 NP1-1-2

York Sample ID: 21A0075-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21A0075	31401451.000 Task 01.00 Rowe Industries	Water	January 5, 2021 9:15 am	01/05/2021

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP	01/07/2021 00:37	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 00:37	CLO

Sample Information

Client Sample ID: WQ010521: 09:15 NP1-1-2 **York Sample ID:** 21A0075-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21A0075	31401451.000 Task 01.00 Rowe Industries	Water	January 5, 2021 9:15 am	01/05/2021

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
74-87-3	**Chloromethane**	**0.330**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
156-59-2	**cis-1,2-Dichloroethylene**	**0.460**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO

Sample Information

Client Sample ID: WQ010521: 09:15 NP1-1-2 **York Sample ID:** 21A0075-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21A0075	31401451.000 Task 01.00 Rowe Industries	Water	January 5, 2021 9:15 am	01/05/2021

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-01-6	**Trichloroethylene**	**0.490**		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 00:37	CLO CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*84.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*112 %*	*79-122*

Sample Information

Client Sample ID: WQ010521: 09:00 NP2-10 **York Sample ID:** 21A0075-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21A0075	31401451.000 Task 01.00 Rowe Industries	Water	January 5, 2021 9:00 am	01/05/2021

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 NELAC-NY10854,NELAC-NY12058,NJDEP	CLO
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO

Sample Information

Client Sample ID: WQ010521: 09:00 NP2-10 **York Sample ID:** 21A0075-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21A0075	31401451.000 Task 01.00 Rowe Industries	Water	January 5, 2021 9:00 am	01/05/2021

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	01/07/2021 01:05	CLO

Sample Information

Client Sample ID: WQ010521: 09:00 NP2-10 **York Sample ID:** 21A0075-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21A0075	31401451.000 Task 01.00 Rowe Industries	Water	January 5, 2021 9:00 am	01/05/2021

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	CLO
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	CLO
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	CLO
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications:	01/06/2021 12:30	01/07/2021 01:05 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	CLO

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*84.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **WQ010521: 09:00 NP2-10** **York Sample ID:** **21A0075-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21A0075	31401451.000 Task 01.00 Rowe Industries	Water	January 5, 2021 9:00 am	01/05/2021

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	**206**		mg/L	10.0	1	SM 2540C	01/07/2021 18:31	01/11/2021 22:27	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BA10161 **Preparation Method:** EPA 5030B **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
21A0075-01	WQ010521: 09:15 NP1-1-2	01/06/21
21A0075-02	WQ010521: 09:00 NP2-10	01/06/21
BA10161-BLK1	Blank	01/06/21
BA10161-BS1	LCS	01/06/21
BA10161-BSD1	LCS Dup	01/06/21

Batch ID: BA10286 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21A0075-02	WQ010521: 09:00 NP2-10	01/07/21
BA10286-BLK1	Blank	01/07/21

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 BA10161 - EPA 5030B											
Blank (BA10161-BLK1)											Prepared & Analyzed: 01/06/2021
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,1-Dichloropropylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,3-Dichloropropane	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
2,2-Dichloropropane	ND	0.500	"								
2-Chlorotoluene	ND	0.500	"								
2-Hexanone	0.350	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA10161 - EPA 5030B											
Blank (BA10161-BLK1)								Prepared & Analyzed: 01/06/2021			
n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.50*		*"*	*10.0*		*85.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.79*		*"*	*10.0*		*97.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.2*		*"*	*10.0*		*112*	*79-122*				
LCS (BA10161-BS1)								Prepared & Analyzed: 01/06/2021			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	8.50		"	10.0		85.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.17		"	10.0		91.7	54-165				
1,1,2-Trichloroethane	8.78		"	10.0		87.8	82-123				
1,1-Dichloroethane	10.0		"	10.0		100	82-129				
1,1-Dichloroethylene	10.5		"	10.0		105	68-138				
1,1-Dichloropropylene	10.5		"	10.0		105	83-133				
1,2,3-Trichlorobenzene	8.15		"	10.0		81.5	76-136				
1,2,3-Trichloropropane	8.55		"	10.0		85.5	77-128				
1,2,4-Trichlorobenzene	8.85		"	10.0		88.5	76-137				
1,2,4-Trimethylbenzene	9.42		"	10.0		94.2	82-132				
1,2-Dibromo-3-chloropropane	8.19		"	10.0		81.9	45-147				
1,2-Dibromoethane	8.63		"	10.0		86.3	83-124				
1,2-Dichlorobenzene	9.02		"	10.0		90.2	79-123				
1,2-Dichloroethane	9.42		"	10.0		94.2	73-132				
1,2-Dichloropropane	9.12		"	10.0		91.2	78-126				
1,3,5-Trimethylbenzene	9.63		"	10.0		96.3	80-131				
1,3-Dichlorobenzene	9.97		"	10.0		99.7	86-122				
1,3-Dichloropropane	9.32		"	10.0		93.2	81-125				
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124				
2,2-Dichloropropane	9.99		"	10.0		99.9	56-150				
2-Chlorotoluene	7.77		"	10.0		77.7	79-130	Low Bias			
2-Hexanone	8.52		"	10.0		85.2	51-146				
4-Chlorotoluene	9.11		"	10.0		91.1	79-128				
Acetone	1.09		"	10.0		10.9	14-150	Low Bias			
Benzene	10.5		"	10.0		105	85-126				
Bromobenzene	9.18		"	10.0		91.8	78-129				
Bromochloromethane	9.93		"	10.0		99.3	77-128				
Bromodichloromethane	9.43		"	10.0		94.3	79-128				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA10161 - EPA 5030B											
LCS (BA10161-BS1)								Prepared & Analyzed: 01/06/2021			
Bromoform	8.95		ug/L	10.0		89.5	78-133				
Bromomethane	12.0		"	10.0		120	43-168				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	9.53		"	10.0		95.3	88-120				
Chloroethane	9.90		"	10.0		99.0	65-136				
Chloroform	10.8		"	10.0		108	82-128				
Chloromethane	12.7		"	10.0		127	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	8.95		"	10.0		89.5	80-131				
Dibromochloromethane	9.54		"	10.0		95.4	80-130				
Dibromomethane	8.87		"	10.0		88.7	72-134				
Dichlorodifluoromethane	9.30		"	10.0		93.0	44-144				
Ethyl Benzene	9.72		"	10.0		97.2	80-131				
Hexachlorobutadiene	10.7		"	10.0		107	67-146				
Isopropylbenzene	9.52		"	10.0		95.2	76-140				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135				
Methylene chloride	10.8		"	10.0		108	55-137				
Naphthalene	8.33		"	10.0		83.3	70-147				
n-Butylbenzene	11.4		"	10.0		114	79-132				
n-Propylbenzene	9.70		"	10.0		97.0	78-133				
o-Xylene	9.30		"	10.0		93.0	78-130				
p- & m- Xylenes	20.6		"	20.0		103	77-133				
p-Isopropyltoluene	9.79		"	10.0		97.9	81-136				
sec-Butylbenzene	10.5		"	10.0		105	79-137				
Styrene	9.66		"	10.0		96.6	67-132				
tert-Butylbenzene	9.38		"	10.0		93.8	77-138				
Tetrachloroethylene	7.98		"	10.0		79.8	82-131	Low Bias			
Toluene	9.54		"	10.0		95.4	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.05		"	10.0		90.5	78-131				
Trichloroethylene	9.70		"	10.0		97.0	82-128				
Trichlorofluoromethane	9.83		"	10.0		98.3	67-139				
Vinyl Chloride	10.4		"	10.0		104	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.78*		*"*	*10.0*		*87.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.55*		*"*	*10.0*		*95.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*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 BA10161 - EPA 5030B											
LCS Dup (BA10161-BSD1)								Prepared & Analyzed: 01/06/2021			
1,1,1,2-Tetrachloroethane	9.54		ug/L	10.0		95.4	82-126		5.80	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136		4.35	30	
1,1,2,2-Tetrachloroethane	8.86		"	10.0		88.6	76-129		4.15	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.69		"	10.0		86.9	54-165		5.38	30	
1,1,2-Trichloroethane	8.93		"	10.0		89.3	82-123		1.69	30	
1,1-Dichloroethane	9.44		"	10.0		94.4	82-129		5.86	30	
1,1-Dichloroethylene	10.5		"	10.0		105	68-138		0.00	30	
1,1-Dichloropropylene	9.76		"	10.0		97.6	83-133		6.92	30	
1,2,3-Trichlorobenzene	8.03		"	10.0		80.3	76-136		1.48	30	
1,2,3-Trichloropropane	8.45		"	10.0		84.5	77-128		1.18	30	
1,2,4-Trichlorobenzene	8.81		"	10.0		88.1	76-137		0.453	30	
1,2,4-Trimethylbenzene	9.26		"	10.0		92.6	82-132		1.71	30	
1,2-Dibromo-3-chloropropane	8.77		"	10.0		87.7	45-147		6.84	30	
1,2-Dibromoethane	8.92		"	10.0		89.2	83-124		3.30	30	
1,2-Dichlorobenzene	9.10		"	10.0		91.0	79-123		0.883	30	
1,2-Dichloroethane	9.09		"	10.0		90.9	73-132		3.57	30	
1,2-Dichloropropane	9.23		"	10.0		92.3	78-126		1.20	30	
1,3,5-Trimethylbenzene	9.69		"	10.0		96.9	80-131		0.621	30	
1,3-Dichlorobenzene	9.93		"	10.0		99.3	86-122		0.402	30	
1,3-Dichloropropane	9.25		"	10.0		92.5	81-125		0.754	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		0.682	30	
2,2-Dichloropropane	9.49		"	10.0		94.9	56-150		5.13	30	
2-Chlorotoluene	7.78		"	10.0		77.8	79-130	Low Bias	0.129	30	
2-Hexanone	8.60		"	10.0		86.0	51-146		0.935	30	
4-Chlorotoluene	9.13		"	10.0		91.3	79-128		0.219	30	
Acetone	0.870		"	10.0		8.70	14-150	Low Bias	22.4	30	
Benzene	9.97		"	10.0		99.7	85-126		5.08	30	
Bromobenzene	8.97		"	10.0		89.7	78-129		2.31	30	
Bromochloromethane	9.45		"	10.0		94.5	77-128		4.95	30	
Bromodichloromethane	9.63		"	10.0		96.3	79-128		2.10	30	
Bromoform	8.74		"	10.0		87.4	78-133		2.37	30	
Bromomethane	11.9		"	10.0		119	43-168		0.838	30	
Carbon tetrachloride	9.70		"	10.0		97.0	77-141		8.68	30	
Chlorobenzene	9.44		"	10.0		94.4	88-120		0.949	30	
Chloroethane	9.31		"	10.0		93.1	65-136		6.14	30	
Chloroform	10.1		"	10.0		101	82-128		6.13	30	
Chloromethane	11.3		"	10.0		113	43-155		11.3	30	
cis-1,2-Dichloroethylene	9.48		"	10.0		94.8	83-129		7.61	30	
cis-1,3-Dichloropropylene	9.19		"	10.0		91.9	80-131		2.65	30	
Dibromochloromethane	9.37		"	10.0		93.7	80-130		1.80	30	
Dibromomethane	8.63		"	10.0		86.3	72-134		2.74	30	
Dichlorodifluoromethane	8.76		"	10.0		87.6	44-144		5.98	30	
Ethyl Benzene	9.65		"	10.0		96.5	80-131		0.723	30	
Hexachlorobutadiene	10.7		"	10.0		107	67-146		0.561	30	
Isopropylbenzene	9.52		"	10.0		95.2	76-140		0.00	30	
Methyl tert-butyl ether (MTBE)	9.37		"	10.0		93.7	76-135		6.60	30	
Methylene chloride	10.5		"	10.0		105	55-137		2.91	30	
Naphthalene	8.10		"	10.0		81.0	70-147		2.80	30	
n-Butylbenzene	11.0		"	10.0		110	79-132		4.11	30	
n-Propylbenzene	9.68		"	10.0		96.8	78-133		0.206	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 BA10161 - EPA 5030B											
LCS Dup (BA10161-BSD1)								Prepared & Analyzed: 01/06/2021			
o-Xylene	9.22		ug/L	10.0		92.2	78-130		0.864	30	
p- & m- Xylenes	20.4		"	20.0		102	77-133		0.929	30	
p-Isopropyltoluene	9.81		"	10.0		98.1	81-136		0.204	30	
sec-Butylbenzene	10.4		"	10.0		104	79-137		1.15	30	
Styrene	9.69		"	10.0		96.9	67-132		0.310	30	
tert-Butylbenzene	9.35		"	10.0		93.5	77-138		0.320	30	
Tetrachloroethylene	8.05		"	10.0		80.5	82-131	Low Bias	0.873	30	
Toluene	9.69		"	10.0		96.9	80-127		1.56	30	
trans-1,2-Dichloroethylene	9.96		"	10.0		99.6	80-132		6.23	30	
trans-1,3-Dichloropropylene	8.77		"	10.0		87.7	78-131		3.14	30	
Trichloroethylene	9.73		"	10.0		97.3	82-128		0.309	30	
Trichlorofluoromethane	9.10		"	10.0		91.0	67-139		7.71	30	
Vinyl Chloride	9.96		"	10.0		99.6	58-145		4.61	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.65*		*"*	*10.0*		*86.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.88*		*"*	*10.0*		*98.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

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 BA10286 - % Solids Prep											
Blank (BA10286-BLK1)											Prepared: 01/07/2021 Analyzed: 01/11/2021
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21A0075-01	WQ010521: 09:15 NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21A0075-02	WQ010521: 09:00 NP2-10	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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

YORK Project No. 21A0075

YOUR Information	Report To:	Invoice To:
Company: WSP USA	Company: Same	Company: WSP USA Accounting
Address: 4 Research Drive, Suite 204 Shelton, CT 06484	Address:	Address:
Phone.: 203-929-8555	Phone.:	Phone.:
Contact: Tunde Komuves-Sandor	Contact:	Contact:
E-mail: tunde.sandor@wsp.com	E-mail:	E-mail:

YOUR Project Number: 31401451.000 Task 01.00

YOUR Project Name: Rowe Industries

YOUR PO#: 31401451.000 Task 01.00

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

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

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

Matrix Codes

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

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

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

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WQ01052 1:09:15	GW	1.5.21 9:15	VOCs 8260 full list + freon 113	3 HCl VOA
WQ01052 1:09:00	GW	1.5.21 9:00	VOCs 8260 full list + freon 113; TDS	3 HCl VOA; 1 plastic

Comments:

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

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[signature]	1.5.21 1500				
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by** Date/Time	**Temp. Received at Lab**
				[signature] 1/5/21 1500	3.3 Degrees C

APPENDIX II

JANUARY 2021 LABORATORY ANALYTICAL REPORT

FOR AIR SAMPLES

PHOENIX
Environmental Laboratories, Inc.

Friday, January 22, 2021

Attn: Scott Philbrick
WSP USA
4 Research Dr Suite 204
Shelton, CT 06484

Project ID: **FORMER ROWE INDUSTRIES**
SDG ID: **GCH49479**
Sample ID#s: CH49479 - CH49480

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

January 22, 2021

SDG I.D.: GCH49479

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Sample Id Cross Reference

January 22, 2021

SDG I.D.: GCH49479

Project ID: FORMER ROWE INDUSTRIES

Client Id	Lab Id	Matrix
AQ011521:1045 NP4-1	CH49479	AIR
AQ011521:1050 NP4-3	CH49480	AIR

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 22, 2021

FOR: Attn: Scott Philbrick
WSP USA
4 Research Dr Suite 204
Shelton, CT 06484

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	SP	01/15/21	10:45
Location Code:	WSP	Received by:	B	01/20/21	14:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	839				

Laboratory Data

SDG ID: GCH49479
Phoenix ID: CH49479

Project ID: FORMER ROWE INDUSTRIES
Client ID: AQ011521:1045 NP4-1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/21/21	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/21/21	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/21/21	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/21/21	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/21/21	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/21/21	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/21/21	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/21/21	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/21/21	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/21/21	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/21/21	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/21/21	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/21/21	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/21/21	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/21/21	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/21/21	KCA	1	
Acetone	0.584	*0.421*	0.421	1.39	*1.00*	1.00	01/21/21	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/21/21	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	01/21/21	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/21/21	KCA	1	

Project ID: FORMER ROWE INDUSTRIES
Client ID: AQ011521:1045 NP4-1

Phoenix I.D.: CH49479

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	01/21/21	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	01/21/21	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	01/21/21	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	01/21/21	KCA	1	
Carbon Tetrachloride	0.071	*0.032*	0.032	0.45	*0.20*	0.20	01/21/21	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	01/21/21	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	01/21/21	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	01/21/21	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	01/21/21	KCA	1	
Cis-1,2-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/21/21	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/21/21	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	01/21/21	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	01/21/21	KCA	1	
Dichlorodifluoromethane	0.352	*0.202*	0.202	1.74	*1.00*	1.00	01/21/21	KCA	1	
Ethanol	1.33	*0.531*	0.531	2.50	*1.00*	1.00	01/21/21	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	01/21/21	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	01/21/21	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	01/21/21	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	01/21/21	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	01/21/21	KCA	1	
Isopropylalcohol	0.430	*0.407*	0.407	1.06	*1.00*	1.00	01/21/21	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/21/21	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	01/21/21	KCA	1	
Methyl Ethyl Ketone	ND	*0.339*	0.339	ND	*1.00*	1.00	01/21/21	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	01/21/21	KCA	1	
Methylene Chloride	ND	*0.864*	0.864	ND	*3.00*	3.00	01/21/21	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/21/21	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	01/21/21	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	01/21/21	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/21/21	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	01/21/21	KCA	1	
Tetrachloroethene	0.087	*0.037*	0.037	0.59	*0.25*	0.25	01/21/21	KCA	1	
Tetrahydrofuran	ND	*0.339*	0.339	ND	*1.00*	1.00	01/21/21	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	01/21/21	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/21/21	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/21/21	KCA	1	
Trichloroethene	0.071	*0.037*	0.037	0.38	*0.20*	0.20	01/21/21	KCA	1	
Trichlorofluoromethane	0.238	*0.178*	0.178	1.34	*1.00*	1.00	01/21/21	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	01/21/21	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	01/21/21	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	98	*%*	%	98	*%*	%	01/21/21	KCA	1	
% IS-1,4-Difluorobenzene	85	*%*	%	85	*%*	%	01/21/21	KCA	1	
% IS-Bromochloromethane	87	*%*	%	87	*%*	%	01/21/21	KCA	1	
% IS-Chlorobenzene-d5	85	*%*	%	85	*%*	%	01/21/21	KCA	1	

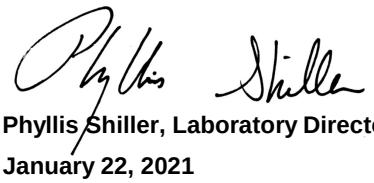
Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

January 22, 2021

Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 22, 2021

FOR: Attn: Scott Philbrick
WSP USA
4 Research Dr Suite 204
Shelton, CT 06484

Sample Information		Custody Information		Date	Time
Matrix:	AIR	Collected by:	SP	01/15/21	10:50
Location Code:	WSP	Received by:	B	01/20/21	14:26
Rush Request:	Standard	Analyzed by:	see "By" below		
P.O.#:					
Canister Id:	725				

Laboratory Data

SDG ID: GCH49479
Phoenix ID: CH49480

Project ID: FORMER ROWE INDUSTRIES
Client ID: AQ011521:1050 NP4-3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Volatiles (TO15)										
1,1,1,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/21/21	KCA	1	1
1,1,1-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/21/21	KCA	1	
1,1,2,2-Tetrachloroethane	ND	*0.146*	0.146	ND	*1.00*	1.00	01/21/21	KCA	1	
1,1,2-Trichloroethane	ND	*0.183*	0.183	ND	*1.00*	1.00	01/21/21	KCA	1	
1,1-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/21/21	KCA	1	
1,1-Dichloroethene	ND	*0.051*	0.051	ND	*0.20*	0.20	01/21/21	KCA	1	
1,2,4-Trichlorobenzene	ND	*0.135*	0.135	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2,4-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-Dibromoethane(EDB)	ND	*0.130*	0.130	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-Dichloroethane	ND	*0.247*	0.247	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-dichloropropane	ND	*0.217*	0.217	ND	*1.00*	1.00	01/21/21	KCA	1	
1,2-Dichlorotetrafluoroethane	ND	*0.143*	0.143	ND	*1.00*	1.00	01/21/21	KCA	1	
1,3,5-Trimethylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/21/21	KCA	1	
1,3-Butadiene	ND	*0.452*	0.452	ND	*1.00*	1.00	01/21/21	KCA	1	
1,3-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/21/21	KCA	1	
1,4-Dichlorobenzene	ND	*0.166*	0.166	ND	*1.00*	1.00	01/21/21	KCA	1	
1,4-Dioxane	ND	*0.278*	0.278	ND	*1.00*	1.00	01/21/21	KCA	1	
2-Hexanone(MBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/21/21	KCA	1	1
4-Ethyltoluene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/21/21	KCA	1	1
4-Isopropyltoluene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/21/21	KCA	1	1
4-Methyl-2-pentanone(MIBK)	ND	*0.244*	0.244	ND	*1.00*	1.00	01/21/21	KCA	1	
Acetone	1.71	*0.421*	0.421	4.06	*1.00*	1.00	01/21/21	KCA	1	
Acrylonitrile	ND	*0.461*	0.461	ND	*1.00*	1.00	01/21/21	KCA	1	
Benzene	ND	*0.313*	0.313	ND	*1.00*	1.00	01/21/21	KCA	1	
Benzyl chloride	ND	*0.193*	0.193	ND	*1.00*	1.00	01/21/21	KCA	1	

Project ID: FORMER ROWE INDUSTRIES
Client ID: AQ011521:1050 NP4-3

Phoenix I.D.: CH49480

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution	
Bromodichloromethane	ND	*0.149*	0.149	ND	*1.00*	1.00	01/21/21	KCA	1	
Bromoform	ND	*0.097*	0.097	ND	*1.00*	1.00	01/21/21	KCA	1	
Bromomethane	ND	*0.258*	0.258	ND	*1.00*	1.00	01/21/21	KCA	1	
Carbon Disulfide	ND	*0.321*	0.321	ND	*1.00*	1.00	01/21/21	KCA	1	
Carbon Tetrachloride	0.100	*0.032*	0.032	0.63	*0.20*	0.20	01/21/21	KCA	1	
Chlorobenzene	ND	*0.217*	0.217	ND	*1.00*	1.00	01/21/21	KCA	1	
Chloroethane	ND	*0.379*	0.379	ND	*1.00*	1.00	01/21/21	KCA	1	
Chloroform	ND	*0.205*	0.205	ND	*1.00*	1.00	01/21/21	KCA	1	
Chloromethane	ND	*0.485*	0.485	ND	*1.00*	1.00	01/21/21	KCA	1	
Cis-1,2-Dichloroethene	0.395	*0.051*	0.051	1.57	*0.20*	0.20	01/21/21	KCA	1	
cis-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/21/21	KCA	1	
Cyclohexane	ND	*0.291*	0.291	ND	*1.00*	1.00	01/21/21	KCA	1	
Dibromochloromethane	ND	*0.118*	0.118	ND	*1.00*	1.00	01/21/21	KCA	1	
Dichlorodifluoromethane	0.364	*0.202*	0.202	1.80	*1.00*	1.00	01/21/21	KCA	1	
Ethanol	6.83	*0.531*	0.531	12.9	*1.00*	1.00	01/21/21	KCA	1	1
Ethyl acetate	ND	*0.278*	0.278	ND	*1.00*	1.00	01/21/21	KCA	1	1
Ethylbenzene	ND	*0.230*	0.230	ND	*1.00*	1.00	01/21/21	KCA	1	
Heptane	ND	*0.244*	0.244	ND	*1.00*	1.00	01/21/21	KCA	1	
Hexachlorobutadiene	ND	*0.094*	0.094	ND	*1.00*	1.00	01/21/21	KCA	1	
Hexane	ND	*0.284*	0.284	ND	*1.00*	1.00	01/21/21	KCA	1	
Isopropylalcohol	2.11	*0.407*	0.407	5.18	*1.00*	1.00	01/21/21	KCA	1	
Isopropylbenzene	ND	*0.204*	0.204	ND	*1.00*	1.00	01/21/21	KCA	1	
m,p-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	01/21/21	KCA	1	
Methyl Ethyl Ketone	0.804	*0.339*	0.339	2.37	*1.00*	1.00	01/21/21	KCA	1	
Methyl tert-butyl ether(MTBE)	ND	*0.278*	0.278	ND	*1.00*	1.00	01/21/21	KCA	1	
Methylene Chloride	ND	*0.864*	0.864	ND	*3.00*	3.00	01/21/21	KCA	1	
n-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/21/21	KCA	1	1
o-Xylene	ND	*0.230*	0.230	ND	*1.00*	1.00	01/21/21	KCA	1	
Propylene	ND	*0.581*	0.581	ND	*1.00*	1.00	01/21/21	KCA	1	1
sec-Butylbenzene	ND	*0.182*	0.182	ND	*1.00*	1.00	01/21/21	KCA	1	1
Styrene	ND	*0.235*	0.235	ND	*1.00*	1.00	01/21/21	KCA	1	
Tetrachloroethene	ND	*0.037*	0.037	ND	*0.25*	0.25	01/21/21	KCA	1	
Tetrahydrofuran	0.839	*0.339*	0.339	2.47	*1.00*	1.00	01/21/21	KCA	1	1
Toluene	ND	*0.266*	0.266	ND	*1.00*	1.00	01/21/21	KCA	1	
Trans-1,2-Dichloroethene	ND	*0.252*	0.252	ND	*1.00*	1.00	01/21/21	KCA	1	
trans-1,3-Dichloropropene	ND	*0.221*	0.221	ND	*1.00*	1.00	01/21/21	KCA	1	
Trichloroethene	ND	*0.037*	0.037	ND	*0.20*	0.20	01/21/21	KCA	1	
Trichlorofluoromethane	0.258	*0.178*	0.178	1.45	*1.00*	1.00	01/21/21	KCA	1	
Trichlorotrifluoroethane	ND	*0.131*	0.131	ND	*1.00*	1.00	01/21/21	KCA	1	
Vinyl Chloride	ND	*0.078*	0.078	ND	*0.20*	0.20	01/21/21	KCA	1	
QA/QC Surrogates/Internals										
% Bromofluorobenzene	95	*%*	%	95	*%*	%	01/21/21	KCA	1	
% IS-1,4-Difluorobenzene	83	*%*	%	83	*%*	%	01/21/21	KCA	1	
% IS-Bromochloromethane	83	*%*	%	83	*%*	%	01/21/21	KCA	1	
% IS-Chlorobenzene-d5	84	*%*	%	84	*%*	%	01/21/21	KCA	1	

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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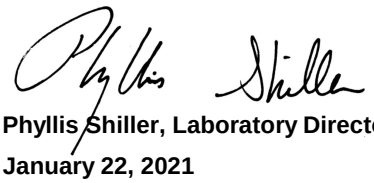

Phyllis Shiller, Laboratory Director
January 22, 2021
Reviewed and Released by: Rashmi Makol, Project Manager

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Canister Sampling Information

January 22, 2021

FOR: Attn: Scott Philbrick
WSP USA
4 Research Dr Suite 204
Shelton, CT 06484

Location Code: WSP

SDG I.D.: GCH49479

Project ID: FORMER ROWE INDUSTRIES

						Laboratory					Field			
Client Id	Lab Id	Canister Id	Canister Type	Reg. Id	Chk Out Date	Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
AQ011521:1045 NP4-	CH49479	839	1.4L		01/12/21	-30	0		\B SAM		-30	-1	01/15/21 10:45	01/15/21 10:45
AQ011521:1050 NP4-	CH49480	725	1.4L		01/12/21	-30	0		\B SAM		-30	-1	01/15/21 10:50	01/15/21 10:50

Friday, January 22, 2021

Criteria: None

State: NY

Sample Criteria Exceedances Report

GCH49479 - WSP

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

CHAIN OF CUSTODY RECORD
AIR ANALYSES

PHOENIX Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone: 860.645.1102 • Fax: 860.645.0823
800-827-5426
email: greg@phoenixlabs.com

P.O. #

Data Delivery:
☐ Fax #:
☒ Email: Tuvde.Sander@wsp.com
☐ Phone #: 203-929-8555

Report to: Scott Philbrick / Mark Goldberg
Customer: WSP
Address: 4 Research Dr. Suite 204
Shelton, CT 06484

Project Name: Former Rowe Industries
Invoice to: WSP USA Accounting
Sampled by: SP

Data Format: (Circle) Equis (Excel) Other:
Requested Deliverable: RCP ASP CAT B
NYASP B package MCP NJ Deliverables
Quote Number:

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure (" Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start (" Hg)	Canister Pressure at End ("Hg)	Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	TO-15	APH
	THIS SECTION FOR LAB USE ONLY												MATRIX			ANALYSES	
49479	AQ011521 : 1045 NP4-1	839	1.4	-30	8	NA	NA	10:45	10:45	1-15-21	-30	1.0			G	X	
49480	AQ011521 : 1050 NP4-3	725	1.4	-30	8	NA	NA	10:50	10:50	1-15-21	-30	1.0			G	X	

Relinquished by:	Accepted by:	Date:	Time:
		1/20/21	11:11
		1/20/21	14:24

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Signature: Date: 1-15-21

State Where Samples Collected: NY

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
2) (1.4) GRAB

Turnaround Time:
☐ 1 Day
☐ 2 Day
☐ 3 Day
☐ 4 Day
☒ 5 Day

Requested Criteria: (Please Circle)

CT:	MA:	NJ:	NY:	PA:	VT:
TAC I/C TAC RES SVVC I/C SVVC RES GWV I/C GWV CES	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	**Indoor Air:** Residential Ind/Commercial **Soil Gas:** Residential Ind/Commercial	Vapor Intrusion ASP B Package QA report Summary Report	**Indoor Air** Residential Non-residential	**Indoor Air** Residential Industrial **Sub-slab** Residential Industrial