

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)	Ethylbenzene (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-Feb-19	6.9	126	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.641	ND<0.278
1-Mar-19	6.9	142	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	6.31	ND<0.278
2-Apr-19	6.9	153	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.27	ND<0.278
6-May-19	6.9	175	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.374	ND<0.278
4-Jun-19	6.0	139	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.620	ND<0.278
2-Jul-19	6.0	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	1.82 C,Q,B	ND<0.5	0.766	ND<0.278
1-Aug-19	6.8	168	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	1.30	1.24
5-Sep-19	6.8	172	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.291	ND<0.278
3-Oct-19	6.5	165	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.612	ND<0.278
4-Nov-19	6.0	102	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.536	ND<0.278
5-Dec-19	6.8	129	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	NA	NA
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	NA	NA
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	NA	NA

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

----: Not established

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.

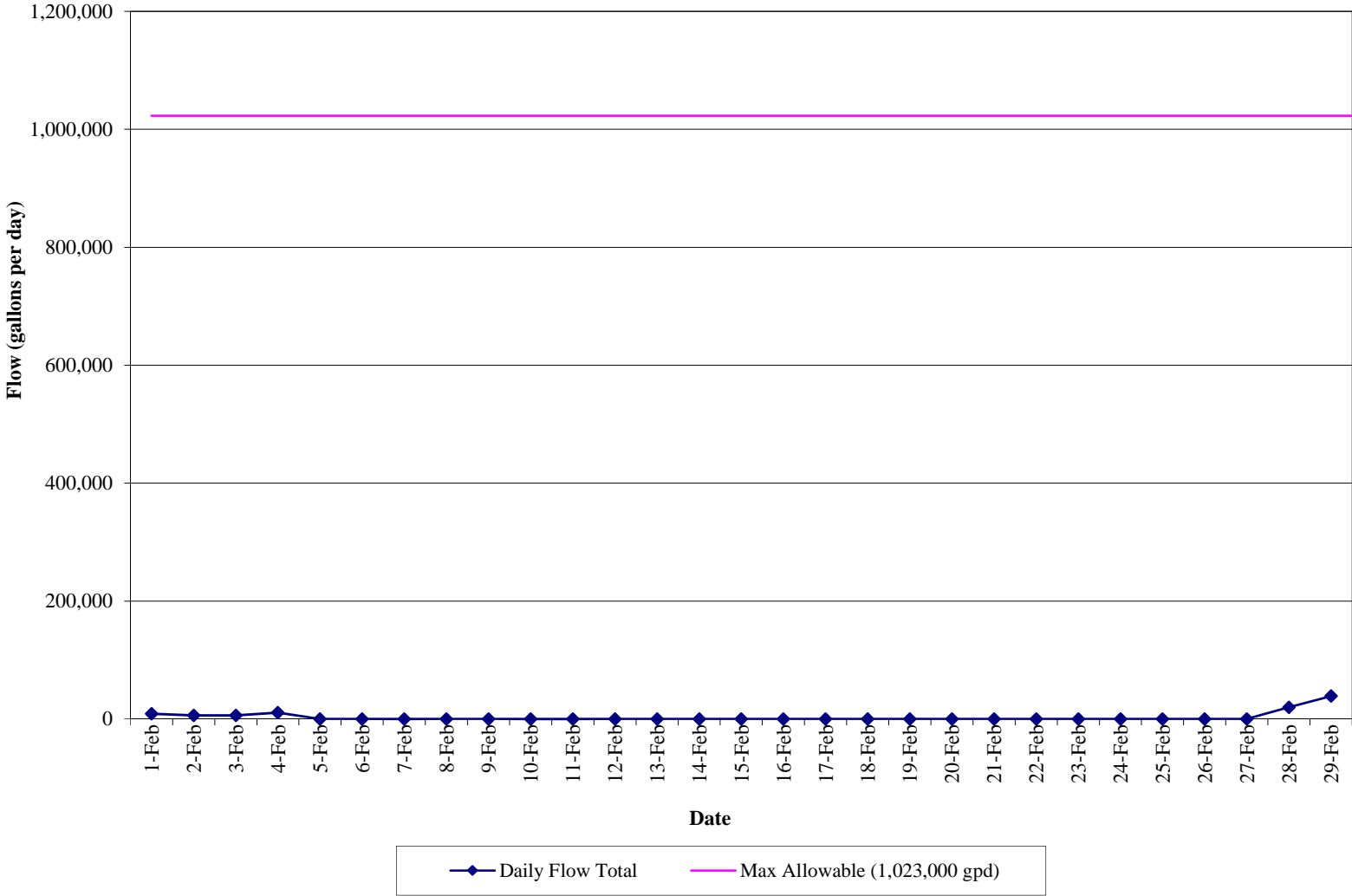
Q = QL-02: This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Notes:

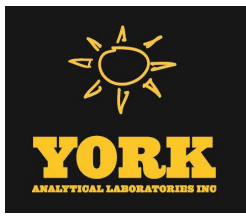
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The effluent pH was 7.0 on February 28, 2020. Historic pH measurements from recovery wells indicate that natural background pH concentrations are less than 6.5.
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.

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

**Effluent Flow Data
(February 1, 2020 to February 29, 2020)**



APPENDIX I
FEBURARY 2020 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

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

Report Date: 02/11/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20B0085

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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Report Date: 02/11/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20B0085

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 February 04, 2020 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20B0085-01	WQ020420: 1020NP2-6	Water	02/04/2020	02/04/2020
20B0085-02	WQ020420: 1025NP2-10	Water	02/04/2020	02/04/2020

General Notes for York Project (SDG) No.: 20B0085

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/11/2020





Sample Information

Client Sample ID: WQ020420: 1020NP2-6

York Sample ID: 20B0085-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0085	31401451.000 Task 01.00 Rowe Industries	Water	February 4, 2020 10:20 am	02/04/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ



Sample Information

Client Sample ID: WQ020420: 1020NP2-6

York Sample ID: 20B0085-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0085

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:20 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ



Sample Information

Client Sample ID: WQ020420: 1020NP2-6

York Sample ID: 20B0085-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0085

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:20 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
127-18-4	Tetrachloroethylene	1.91	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 04:30	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	111 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	98.4 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	104 %	79-122								



Sample Information

Client Sample ID: WQ020420: 1025NP2-10

York Sample ID: 20B0085-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0085

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:25 am

02/04/2020

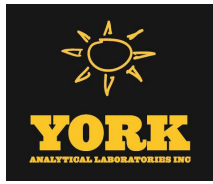
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ



Sample Information

Client Sample ID: WQ020420: 1025NP2-10

York Sample ID: 20B0085-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0085

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:25 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ



Sample Information

Client Sample ID: WQ020420: 1025NP2-10

York Sample ID: 20B0085-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0085

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:25 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 04:59	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 04:59	LLJ

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	116 %	69-130
2037-26-5	Surrogate: SURR: Toluene-d8	93.2 %	81-117
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %	79-122

Total Dissolved Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ020420: 1025NP2-10

York Sample ID: 20B0085-02

York Project (SDG) No. 20B0085

Client Project ID 31401451.000 Task 01.00 Rowe Industries

Matrix Water

Collection Date/Time February 4, 2020 10:25 am

Date Received 02/04/2020

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	122		mg/L	1.00	1	SM 2540C	02/06/2020 10:44	02/07/2020 16:29	TJM	
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP			



Analytical Batch Summary

Batch ID: BB00240 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
20B0085-02	WQ020420: 1025NP2-10	02/06/20
BB00240-BLK1	Blank	02/06/20

Batch ID: BB00314 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20B0085-01	WQ020420: 1020NP2-6	02/07/20
20B0085-02	WQ020420: 1025NP2-10	02/07/20
BB00314-BLK1	Blank	02/07/20
BB00314-BS1	LCS	02/07/20
BB00314-BSD1	LCS Dup	02/07/20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB00314 - EPA 5030B

Blank (BB00314-BLK1)

Prepared: 02/07/2020 Analyzed: 02/08/2020

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	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
		Limit			Result				RPD		
Batch BB00314 - EPA 5030B											
Blank (BB00314-BLK1)											
Prepared: 02/07/2020 Analyzed: 02/08/2020											
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	"								
<hr/>											
Surrogate: SURR: 1,2-Dichloroethane-d4	11.2		"	10.0		112	69-130				
Surrogate: SURR: Toluene-d8	9.59		"	10.0		95.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				
<hr/>											
LCS (BB00314-BS1)											
Prepared: 02/07/2020 Analyzed: 02/08/2020											
1,1,1,2-Tetrachloroethane	9.54		ug/L	10.0		95.4	82-126				
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136				
1,1,2,2-Tetrachloroethane	8.59		"	10.0		85.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.80		"	10.0		98.0	54-165				
1,1,2-Trichloroethane	8.49		"	10.0		84.9	82-123				
1,1-Dichloroethane	9.21		"	10.0		92.1	82-129				
1,1-Dichloroethylene	9.05		"	10.0		90.5	68-138				
1,1-Dichloropropylene	9.38		"	10.0		93.8	83-133				
1,2,3-Trichlorobenzene	6.03		"	10.0		60.3	76-136	Low Bias			
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128				
1,2,4-Trichlorobenzene	6.96		"	10.0		69.6	76-137	Low Bias			
1,2,4-Trimethylbenzene	9.07		"	10.0		90.7	82-132				
1,2-Dibromo-3-chloropropane	8.75		"	10.0		87.5	45-147				
1,2-Dibromoethane	8.58		"	10.0		85.8	83-124				
1,2-Dichlorobenzene	8.88		"	10.0		88.8	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	7.98		"	10.0		79.8	78-126				
1,3,5-Trimethylbenzene	9.05		"	10.0		90.5	80-131				
1,3-Dichlorobenzene	8.91		"	10.0		89.1	86-122				
1,3-Dichloropropane	8.68		"	10.0		86.8	81-125				
1,4-Dichlorobenzene	8.63		"	10.0		86.3	85-124				
2,2-Dichloropropane	8.01		"	10.0		80.1	56-150				
2-Chlorotoluene	8.74		"	10.0		87.4	79-130				
2-Hexanone	8.21		"	10.0		82.1	51-146				
4-Chlorotoluene	8.90		"	10.0		89.0	79-128				
Acetone	8.36		"	10.0		83.6	14-150				
Benzene	9.09		"	10.0		90.9	85-126				
Bromobenzene	8.50		"	10.0		85.0	78-129				
Bromochloromethane	9.29		"	10.0		92.9	77-128				
Bromodichloromethane	9.47		"	10.0		94.7	79-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB00314 - EPA 5030B

LCS (BB00314-BS1)

Prepared: 02/07/2020 Analyzed: 02/08/2020

Bromoform	8.94		ug/L	10.0		89.4	78-133						
Bromomethane	16.6		"	10.0		166	43-168						
Carbon tetrachloride	10.6		"	10.0		106	77-141						
Chlorobenzene	8.50		"	10.0		85.0	88-120	Low Bias					
Chloroethane	9.03		"	10.0		90.3	65-136						
Chloroform	10.0		"	10.0		100	82-128						
Chloromethane	8.17		"	10.0		81.7	43-155						
cis-1,2-Dichloroethylene	9.40		"	10.0		94.0	83-129						
cis-1,3-Dichloropropylene	8.44		"	10.0		84.4	80-131						
Dibromochloromethane	9.36		"	10.0		93.6	80-130						
Dibromomethane	8.86		"	10.0		88.6	72-134						
Dichlorodifluoromethane	9.67		"	10.0		96.7	44-144						
Ethyl Benzene	8.93		"	10.0		89.3	80-131						
Hexachlorobutadiene	7.03		"	10.0		70.3	67-146						
Isopropylbenzene	8.59		"	10.0		85.9	76-140						
Methyl tert-butyl ether (MTBE)	9.78		"	10.0		97.8	76-135						
Methylene chloride	8.77		"	10.0		87.7	55-137						
Naphthalene	6.14		"	10.0		61.4	70-147	Low Bias					
n-Butylbenzene	9.23		"	10.0		92.3	79-132						
n-Propylbenzene	8.61		"	10.0		86.1	78-133						
o-Xylene	9.31		"	10.0		93.1	78-130						
p- & m- Xylenes	17.9		"	20.0		89.4	77-133						
p-Isopropyltoluene	8.99		"	10.0		89.9	81-136						
sec-Butylbenzene	9.02		"	10.0		90.2	79-137						
Styrene	9.07		"	10.0		90.7	67-132						
tert-Butylbenzene	7.77		"	10.0		77.7	77-138						
Tetrachloroethylene	7.70		"	10.0		77.0	82-131	Low Bias					
Toluene	8.41		"	10.0		84.1	80-127						
trans-1,2-Dichloroethylene	9.06		"	10.0		90.6	80-132						
trans-1,3-Dichloropropylene	8.51		"	10.0		85.1	78-131						
Trichloroethylene	8.79		"	10.0		87.9	82-128						
Trichlorofluoromethane	10.9		"	10.0		109	67-139						
Vinyl Chloride	11.3		"	10.0		113	58-145						
Surrogate: SURR: 1,2-Dichloroethane-d4	11.4		"	10.0		114	69-130						
Surrogate: SURR: Toluene-d8	9.40		"	10.0		94.0	81-117						
Surrogate: SURR: p-Bromofluorobenzene	9.92		"	10.0		99.2	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 BB00314 - EPA 5030B											
LCS Dup (BB00314-BSD1)											
Prepared: 02/07/2020 Analyzed: 02/08/2020											
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		6.00	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		7.91	30	
1,1,2,2-Tetrachloroethane	9.06		"	10.0		90.6	76-129		5.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		7.75	30	
1,1,2-Trichloroethane	9.08		"	10.0		90.8	82-123		6.72	30	
1,1-Dichloroethane	9.71		"	10.0		97.1	82-129		5.29	30	
1,1-Dichloroethylene	9.87		"	10.0		98.7	68-138		8.67	30	
1,1-Dichloropropylene	9.96		"	10.0		99.6	83-133		6.00	30	
1,2,3-Trichlorobenzene	7.22		"	10.0		72.2	76-136	Low Bias	18.0	30	
1,2,3-Trichloropropane	9.82		"	10.0		98.2	77-128		6.74	30	
1,2,4-Trichlorobenzene	7.67		"	10.0		76.7	76-137		9.71	30	
1,2,4-Trimethylbenzene	9.14		"	10.0		91.4	82-132		0.769	30	
1,2-Dibromo-3-chloropropane	9.44		"	10.0		94.4	45-147		7.59	30	
1,2-Dibromoethane	9.38		"	10.0		93.8	83-124		8.91	30	
1,2-Dichlorobenzene	9.17		"	10.0		91.7	79-123		3.21	30	
1,2-Dichloroethane	11.7		"	10.0		117	73-132		9.55	30	
1,2-Dichloropropane	8.68		"	10.0		86.8	78-126		8.40	30	
1,3,5-Trimethylbenzene	9.27		"	10.0		92.7	80-131		2.40	30	
1,3-Dichlorobenzene	8.92		"	10.0		89.2	86-122		0.112	30	
1,3-Dichloropropane	9.46		"	10.0		94.6	81-125		8.60	30	
1,4-Dichlorobenzene	8.79		"	10.0		87.9	85-124		1.84	30	
2,2-Dichloropropane	8.85		"	10.0		88.5	56-150		9.96	30	
2-Chlorotoluene	9.09		"	10.0		90.9	79-130		3.93	30	
2-Hexanone	9.67		"	10.0		96.7	51-146		16.3	30	
4-Chlorotoluene	9.19		"	10.0		91.9	79-128		3.21	30	
Acetone	9.50		"	10.0		95.0	14-150		12.8	30	
Benzene	9.45		"	10.0		94.5	85-126		3.88	30	
Bromobenzene	8.84		"	10.0		88.4	78-129		3.92	30	
Bromochloromethane	9.94		"	10.0		99.4	77-128		6.76	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		5.64	30	
Bromoform	10.5		"	10.0		105	78-133		15.9	30	
Bromomethane	19.5		"	10.0		195	43-168	High Bias	15.8	30	
Carbon tetrachloride	11.8		"	10.0		118	77-141		10.5	30	
Chlorobenzene	9.06		"	10.0		90.6	88-120		6.38	30	
Chloroethane	12.1		"	10.0		121	65-136		29.1	30	
Chloroform	10.7		"	10.0		107	82-128		6.46	30	
Chloromethane	10.8		"	10.0		108	43-155		27.7	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		6.48	30	
cis-1,3-Dichloropropylene	9.20		"	10.0		92.0	80-131		8.62	30	
Dibromochloromethane	10.0		"	10.0		100	80-130		6.91	30	
Dibromomethane	9.63		"	10.0		96.3	72-134		8.33	30	
Dichlorodifluoromethane	11.1		"	10.0		111	44-144		14.0	30	
Ethyl Benzene	9.61		"	10.0		96.1	80-131		7.34	30	
Hexachlorobutadiene	7.56		"	10.0		75.6	67-146		7.27	30	
Isopropylbenzene	8.81		"	10.0		88.1	76-140		2.53	30	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135		8.33	30	
Methylene chloride	9.93		"	10.0		99.3	55-137		12.4	30	
Naphthalene	7.13		"	10.0		71.3	70-147		14.9	30	
n-Butylbenzene	9.21		"	10.0		92.1	79-132		0.217	30	
n-Propylbenzene	8.73		"	10.0		87.3	78-133		1.38	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB00314 - EPA 5030B

LCS Dup (BB00314-BSD1)

Prepared: 02/07/2020 Analyzed: 02/08/2020

o-Xylene	9.80		ug/L	10.0		98.0	78-130		5.13	30	
p- & m- Xylenes	19.2		"	20.0		96.1	77-133		7.17	30	
p-Isopropyltoluene	9.27		"	10.0		92.7	81-136		3.07	30	
sec-Butylbenzene	9.38		"	10.0		93.8	79-137		3.91	30	
Styrene	9.82		"	10.0		98.2	67-132		7.94	30	
tert-Butylbenzene	7.95		"	10.0		79.5	77-138		2.29	30	
Tetrachloroethylene	8.15		"	10.0		81.5	82-131	Low Bias	5.68	30	
Toluene	8.86		"	10.0		88.6	80-127		5.21	30	
trans-1,2-Dichloroethylene	9.73		"	10.0		97.3	80-132		7.13	30	
trans-1,3-Dichloropropylene	9.41		"	10.0		94.1	78-131		10.0	30	
Trichloroethylene	9.22		"	10.0		92.2	82-128		4.78	30	
Trichlorofluoromethane	12.9		"	10.0		129	67-139		16.2	30	
Vinyl Chloride	13.6		"	10.0		136	58-145		18.3	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>12.1</i>		<i>"</i>	<i>10.0</i>		<i>121</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.39</i>		<i>"</i>	<i>10.0</i>		<i>93.9</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.87</i>		<i>"</i>	<i>10.0</i>		<i>98.7</i>	<i>79-122</i>				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

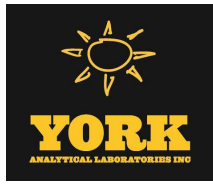
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB00240 - % Solids Prep

Blank (BB00240-BLK1)

Prepared & Analyzed: 02/06/2020

Total Dissolved Solids	ND	1.00	mg/L								
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B0085-01	WQ020420: 1020NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0085-02	WQ020420: 1025NP2-10	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).

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.

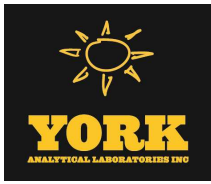
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

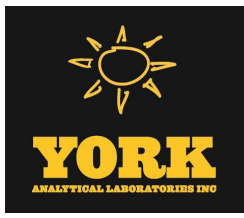
Certification for pH is no longer offered by NYDOH ELAP.

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.

APPENDIX II
FEBRUARY 2020 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

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

Report Date: 02/11/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20B0088

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
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STRATFORD, CT 06615
(203) 325-1371

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 02/11/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20B0088

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 February 04, 2020 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.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
20B0088-01	WQ020420: 1010FRW-1	Water	02/04/2020	02/04/2020
20B0088-02	WQ020420: 1014FRW-2	Water	02/04/2020	02/04/2020
20B0088-03	WQ020420: 1018FRW-3	Water	02/04/2020	02/04/2020
20B0088-04	WQ020420: 1005FRW-4	Water	02/04/2020	02/04/2020
20B0088-05	WQ020420: 1030NP1-1-2	Water	02/04/2020	02/04/2020

General Notes for York Project (SDG) No.: 20B0088

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/11/2020





Sample Information

Client Sample ID: WQ020420: 1010FRW-1

York Sample ID: 20B0088-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20B0088	31401451.000 Task 01.00 Rowe Industries	Water	February 4, 2020 10:10 am	02/04/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
95-63-6	1,2,4-Trimethylbenzene	0.290		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ



Sample Information

Client Sample ID: WQ020420: 1010FRW-1

York Sample ID: 20B0088-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:10 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
67-64-1	Acetone	1.18		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
156-59-2	cis-1,2-Dichloroethylene	1.19		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ



Sample Information

Client Sample ID: WQ020420: 1010FRW-1

York Sample ID: 20B0088-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:10 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
127-18-4	Tetrachloroethylene	30.2	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
79-01-6	Trichloroethylene	0.900		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 08:34	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.5 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	96.6 %	79-122								



Sample Information

Client Sample ID: WQ020420: 1014FRW-2

York Sample ID: 20B0088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:14 am

02/04/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ



Sample Information

Client Sample ID: WQ020420: 1014FRW-2

York Sample ID: 20B0088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:14 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.350		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ



Sample Information

Client Sample ID: WQ020420: 1014FRW-2

York Sample ID: 20B0088-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:14 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
127-18-4	Tetrachloroethylene	2.77	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 09:01	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: <i>SURR: 1,2-Dichloroethane-d4</i>	98.1 %	69-130								
2037-26-5	Surrogate: <i>SURR: Toluene-d8</i>	97.1 %	81-117								
460-00-4	Surrogate: <i>SURR: p-Bromofluorobenzene</i>	101 %	79-122								



Sample Information

Client Sample ID: WQ020420: 1018FRW-3

York Sample ID: 20B0088-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:18 am

02/04/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ



Sample Information

Client Sample ID: WQ020420: 1018FRW-3

York Sample ID: 20B0088-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:18 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
156-59-2	cis-1,2-Dichloroethylene	0.590		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ



Sample Information

Client Sample ID: WQ020420: 1018FRW-3

York Sample ID: 20B0088-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:18 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
127-18-4	Tetrachloroethylene	11.9	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
79-01-6	Trichloroethylene	0.310		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 09:28	LLJ
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	99.9 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	97.8 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	100 %			79-122						



Sample Information

Client Sample ID: WQ020420: 1005FRW-4

York Sample ID: 20B0088-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:05 am

02/04/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ



Sample Information

Client Sample ID: WQ020420: 1005FRW-4

York Sample ID: 20B0088-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:05 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ



Sample Information

Client Sample ID: WQ020420: 1005FRW-4

York Sample ID: 20B0088-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:05 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 09:54	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 09:54	LLJ

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	102 %	69-130
2037-26-5	Surrogate: SURRE: Toluene-d8	96.3 %	81-117
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	104 %	79-122



Sample Information

Client Sample ID: WQ020420: 1030NP1-1-2

York Sample ID: 20B0088-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:30 am

02/04/2020

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ



Sample Information

Client Sample ID: WQ020420: 1030NP1-1-2

York Sample ID: 20B0088-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:30 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ



Sample Information

Client Sample ID: WQ020420: 1030NP1-1-2

York Sample ID: 20B0088-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20B0088

31401451.000 Task 01.00 Rowe Industries

Water

February 4, 2020 10:30 am

02/04/2020

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
127-18-4	Tetrachloroethylene	0.270	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	02/07/2020 12:12	02/08/2020 10:21	LLJ
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	96.7 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	102 %	79-122								



Analytical Batch Summary

Batch ID: BB00314

Preparation Method: EPA 5030B

Prepared By: LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20B0088-01	WQ020420: 1010FRW-1	02/07/20
20B0088-02	WQ020420: 1014FRW-2	02/07/20
20B0088-03	WQ020420: 1018FRW-3	02/07/20
20B0088-04	WQ020420: 1005FRW-4	02/07/20
20B0088-05	WQ020420: 1030NP1-1-2	02/07/20
BB00314-BLK1	Blank	02/07/20
BB00314-BS1	LCS	02/07/20
BB00314-BSD1	LCS Dup	02/07/20



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB00314 - EPA 5030B

Blank (BB00314-BLK1)

Prepared: 02/07/2020 Analyzed: 02/08/2020

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	ND	0.500	"								
4-Chlorotoluene	ND	0.500	"								
Acetone	ND	2.00	"								
Benzene	ND	0.500	"								
Bromobenzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylene chloride	ND	2.00	"								
Naphthalene	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB00314 - EPA 5030B

Blank (BB00314-BLK1)

Prepared: 02/07/2020 Analyzed: 02/08/2020

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	"								
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Surrogate: SURR: 1,2-Dichloroethane-d4	11.2		"	10.0		112	69-130				
Surrogate: SURR: Toluene-d8	9.59		"	10.0		95.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				

LCS (BB00314-BS1)

Prepared: 02/07/2020 Analyzed: 02/08/2020

1,1,1,2-Tetrachloroethane	9.54		ug/L	10.0		95.4	82-126				
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136				
1,1,2,2-Tetrachloroethane	8.59		"	10.0		85.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.80		"	10.0		98.0	54-165				
1,1,2-Trichloroethane	8.49		"	10.0		84.9	82-123				
1,1-Dichloroethane	9.21		"	10.0		92.1	82-129				
1,1-Dichloroethylene	9.05		"	10.0		90.5	68-138				
1,1-Dichloropropylene	9.38		"	10.0		93.8	83-133				
1,2,3-Trichlorobenzene	6.03		"	10.0		60.3	76-136			Low Bias	
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128				
1,2,4-Trichlorobenzene	6.96		"	10.0		69.6	76-137			Low Bias	
1,2,4-Trimethylbenzene	9.07		"	10.0		90.7	82-132				
1,2-Dibromo-3-chloropropane	8.75		"	10.0		87.5	45-147				
1,2-Dibromoethane	8.58		"	10.0		85.8	83-124				
1,2-Dichlorobenzene	8.88		"	10.0		88.8	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	7.98		"	10.0		79.8	78-126				
1,3,5-Trimethylbenzene	9.05		"	10.0		90.5	80-131				
1,3-Dichlorobenzene	8.91		"	10.0		89.1	86-122				
1,3-Dichloropropane	8.68		"	10.0		86.8	81-125				
1,4-Dichlorobenzene	8.63		"	10.0		86.3	85-124				
2,2-Dichloropropane	8.01		"	10.0		80.1	56-150				
2-Chlorotoluene	8.74		"	10.0		87.4	79-130				
2-Hexanone	8.21		"	10.0		82.1	51-146				
4-Chlorotoluene	8.90		"	10.0		89.0	79-128				
Acetone	8.36		"	10.0		83.6	14-150				
Benzene	9.09		"	10.0		90.9	85-126				
Bromobenzene	8.50		"	10.0		85.0	78-129				
Bromochloromethane	9.29		"	10.0		92.9	77-128				
Bromodichloromethane	9.47		"	10.0		94.7	79-128				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB00314 - EPA 5030B

LCS (BB00314-BS1)

Prepared: 02/07/2020 Analyzed: 02/08/2020

Bromoform	8.94		ug/L	10.0		89.4	78-133				
Bromomethane	16.6		"	10.0		166	43-168				
Carbon tetrachloride	10.6		"	10.0		106	77-141				
Chlorobenzene	8.50		"	10.0		85.0	88-120	Low Bias			
Chloroethane	9.03		"	10.0		90.3	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	8.17		"	10.0		81.7	43-155				
cis-1,2-Dichloroethylene	9.40		"	10.0		94.0	83-129				
cis-1,3-Dichloropropylene	8.44		"	10.0		84.4	80-131				
Dibromochloromethane	9.36		"	10.0		93.6	80-130				
Dibromomethane	8.86		"	10.0		88.6	72-134				
Dichlorodifluoromethane	9.67		"	10.0		96.7	44-144				
Ethyl Benzene	8.93		"	10.0		89.3	80-131				
Hexachlorobutadiene	7.03		"	10.0		70.3	67-146				
Isopropylbenzene	8.59		"	10.0		85.9	76-140				
Methyl tert-butyl ether (MTBE)	9.78		"	10.0		97.8	76-135				
Methylene chloride	8.77		"	10.0		87.7	55-137				
Naphthalene	6.14		"	10.0		61.4	70-147	Low Bias			
n-Butylbenzene	9.23		"	10.0		92.3	79-132				
n-Propylbenzene	8.61		"	10.0		86.1	78-133				
o-Xylene	9.31		"	10.0		93.1	78-130				
p- & m- Xylenes	17.9		"	20.0		89.4	77-133				
p-Isopropyltoluene	8.99		"	10.0		89.9	81-136				
sec-Butylbenzene	9.02		"	10.0		90.2	79-137				
Styrene	9.07		"	10.0		90.7	67-132				
tert-Butylbenzene	7.77		"	10.0		77.7	77-138				
Tetrachloroethylene	7.70		"	10.0		77.0	82-131	Low Bias			
Toluene	8.41		"	10.0		84.1	80-127				
trans-1,2-Dichloroethylene	9.06		"	10.0		90.6	80-132				
trans-1,3-Dichloropropylene	8.51		"	10.0		85.1	78-131				
Trichloroethylene	8.79		"	10.0		87.9	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl Chloride	11.3		"	10.0		113	58-145				
Surrogate: SURRE: 1,2-Dichloroethane-d4	11.4		"	10.0		114	69-130				
Surrogate: SURRE: Toluene-d8	9.40		"	10.0		94.0	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.92		"	10.0		99.2	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 BB00314 - EPA 5030B											
LCS Dup (BB00314-BSD1)											
Prepared: 02/07/2020 Analyzed: 02/08/2020											
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		6.00	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		7.91	30	
1,1,2,2-Tetrachloroethane	9.06		"	10.0		90.6	76-129		5.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		7.75	30	
1,1,2-Trichloroethane	9.08		"	10.0		90.8	82-123		6.72	30	
1,1-Dichloroethane	9.71		"	10.0		97.1	82-129		5.29	30	
1,1-Dichloroethylene	9.87		"	10.0		98.7	68-138		8.67	30	
1,1-Dichloropropylene	9.96		"	10.0		99.6	83-133		6.00	30	
1,2,3-Trichlorobenzene	7.22		"	10.0		72.2	76-136	Low Bias	18.0	30	
1,2,3-Trichloropropane	9.82		"	10.0		98.2	77-128		6.74	30	
1,2,4-Trichlorobenzene	7.67		"	10.0		76.7	76-137		9.71	30	
1,2,4-Trimethylbenzene	9.14		"	10.0		91.4	82-132		0.769	30	
1,2-Dibromo-3-chloropropane	9.44		"	10.0		94.4	45-147		7.59	30	
1,2-Dibromoethane	9.38		"	10.0		93.8	83-124		8.91	30	
1,2-Dichlorobenzene	9.17		"	10.0		91.7	79-123		3.21	30	
1,2-Dichloroethane	11.7		"	10.0		117	73-132		9.55	30	
1,2-Dichloropropane	8.68		"	10.0		86.8	78-126		8.40	30	
1,3,5-Trimethylbenzene	9.27		"	10.0		92.7	80-131		2.40	30	
1,3-Dichlorobenzene	8.92		"	10.0		89.2	86-122		0.112	30	
1,3-Dichloropropane	9.46		"	10.0		94.6	81-125		8.60	30	
1,4-Dichlorobenzene	8.79		"	10.0		87.9	85-124		1.84	30	
2,2-Dichloropropane	8.85		"	10.0		88.5	56-150		9.96	30	
2-Chlorotoluene	9.09		"	10.0		90.9	79-130		3.93	30	
2-Hexanone	9.67		"	10.0		96.7	51-146		16.3	30	
4-Chlorotoluene	9.19		"	10.0		91.9	79-128		3.21	30	
Acetone	9.50		"	10.0		95.0	14-150		12.8	30	
Benzene	9.45		"	10.0		94.5	85-126		3.88	30	
Bromobenzene	8.84		"	10.0		88.4	78-129		3.92	30	
Bromochloromethane	9.94		"	10.0		99.4	77-128		6.76	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		5.64	30	
Bromoform	10.5		"	10.0		105	78-133		15.9	30	
Bromomethane	19.5		"	10.0		195	43-168	High Bias	15.8	30	
Carbon tetrachloride	11.8		"	10.0		118	77-141		10.5	30	
Chlorobenzene	9.06		"	10.0		90.6	88-120		6.38	30	
Chloroethane	12.1		"	10.0		121	65-136		29.1	30	
Chloroform	10.7		"	10.0		107	82-128		6.46	30	
Chloromethane	10.8		"	10.0		108	43-155		27.7	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		6.48	30	
cis-1,3-Dichloropropylene	9.20		"	10.0		92.0	80-131		8.62	30	
Dibromochloromethane	10.0		"	10.0		100	80-130		6.91	30	
Dibromomethane	9.63		"	10.0		96.3	72-134		8.33	30	
Dichlorodifluoromethane	11.1		"	10.0		111	44-144		14.0	30	
Ethyl Benzene	9.61		"	10.0		96.1	80-131		7.34	30	
Hexachlorobutadiene	7.56		"	10.0		75.6	67-146		7.27	30	
Isopropylbenzene	8.81		"	10.0		88.1	76-140		2.53	30	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135		8.33	30	
Methylene chloride	9.93		"	10.0		99.3	55-137		12.4	30	
Naphthalene	7.13		"	10.0		71.3	70-147		14.9	30	
n-Butylbenzene	9.21		"	10.0		92.1	79-132		0.217	30	
n-Propylbenzene	8.73		"	10.0		87.3	78-133		1.38	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BB00314 - EPA 5030B

LCS Dup (BB00314-BSD1)

Prepared: 02/07/2020 Analyzed: 02/08/2020

o-Xylene	9.80		ug/L	10.0		98.0	78-130		5.13	30
p- & m- Xylenes	19.2		"	20.0		96.1	77-133		7.17	30
p-Isopropyltoluene	9.27		"	10.0		92.7	81-136		3.07	30
sec-Butylbenzene	9.38		"	10.0		93.8	79-137		3.91	30
Styrene	9.82		"	10.0		98.2	67-132		7.94	30
tert-Butylbenzene	7.95		"	10.0		79.5	77-138		2.29	30
Tetrachloroethylene	8.15		"	10.0		81.5	82-131	Low Bias	5.68	30
Toluene	8.86		"	10.0		88.6	80-127		5.21	30
trans-1,2-Dichloroethylene	9.73		"	10.0		97.3	80-132		7.13	30
trans-1,3-Dichloropropylene	9.41		"	10.0		94.1	78-131		10.0	30
Trichloroethylene	9.22		"	10.0		92.2	82-128		4.78	30
Trichlorofluoromethane	12.9		"	10.0		129	67-139		16.2	30
Vinyl Chloride	13.6		"	10.0		136	58-145		18.3	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>12.1</i>		<i>"</i>	<i>10.0</i>		<i>121</i>	<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.39</i>		<i>"</i>	<i>10.0</i>		<i>93.9</i>	<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.87</i>		<i>"</i>	<i>10.0</i>		<i>98.7</i>	<i>79-122</i>			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20B0088-01	WQ020420: 1010FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0088-02	WQ020420: 1014FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0088-03	WQ020420: 1018FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0088-04	WQ020420: 1005FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20B0088-05	WQ020420: 1030NP1-1-2	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.
- 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).

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.

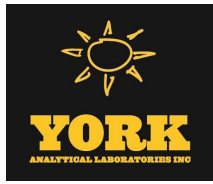
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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