

TABLE 2

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

**Effluent Water Quality Results**

Date Sampled <sup>2/</sup>	pH <sup>1/</sup>	TDS <sup>4/</sup> (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)
<b>SPDES Limits</b>	<b>6.5 to 8.5</b>	<b>---</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>---</b>	<b>10</b>	<b>7</b>	<b>---</b>	<b>---</b>
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
2-Mar-20	7.0	137	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	NA	NA
2-Apr-20	7.0	161	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	NA	NA
7-May-20	7.0	299	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	NA	NA
2-Jun-20	6.8	174	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	NA	NA
7-Jul-20	7.0	125	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	NA	NA
7-Aug-20	6.8	178	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	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.

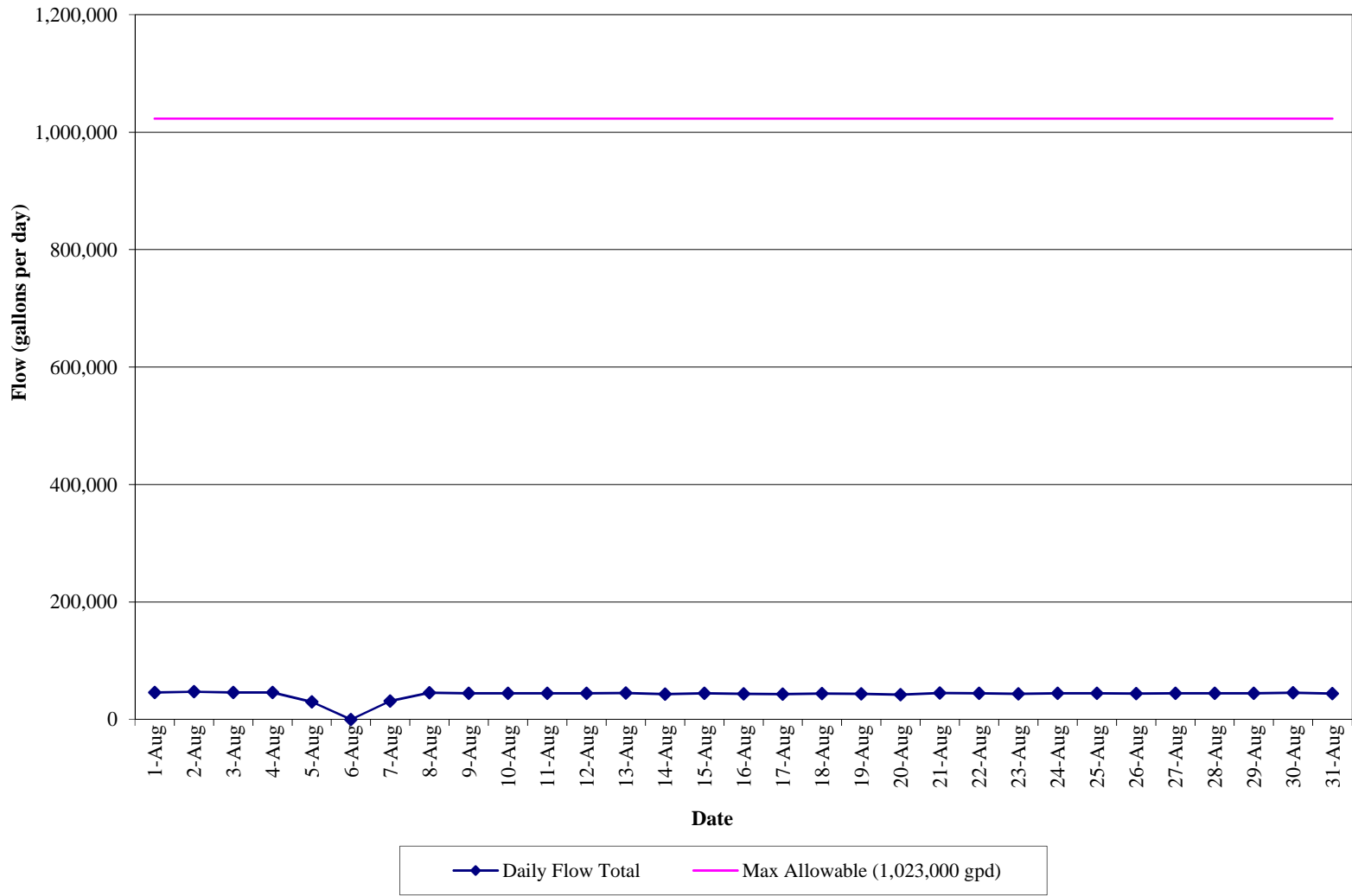
Q = QL-02: This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

**Notes:**

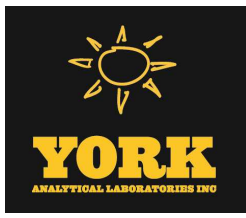
- Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The effluent pH was 6.8 on August 20, 2020. Historic pH measurements from recovery wells indicate that natural background pH concentrations are less than 6.5.
- "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
- 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  
(August 1, 2020 to August 31, 2020)**



**APPENDIX I**  
**AUGUST 2020 LABORATORY ANALYTICAL REPORT**  
**FOR FSP&T SYSTEM AND RW-2**



# Technical Report

prepared for:

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

Report Date: 08/11/2020  
**Client Project ID: 31402600.000 Task 01.00 Rowe Industries**  
York Project (SDG) No.: 20H0269

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  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

**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 August 07, 2020 and listed below. The project was identified as your project: **31402600.000 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>
20H0269-01	WQ080720:1015NP1-1-2	Water	08/07/2020	08/07/2020

## General Notes for York Project (SDG) No.: 20H0269

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.

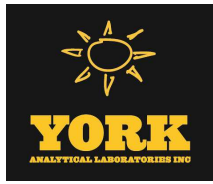
Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 08/11/2020





### Sample Information

**Client Sample ID:** WQ080720:1015NP1-1-2

**York Sample ID:** 20H0269-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H0269	31402600.000 Task 01.00 Rowe Industries	Water	August 7, 2020 10:15 am	08/07/2020

**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	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/10/2020 12:30	08/11/2020 07:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS



### Sample Information

**Client Sample ID:** WQ080720:1015NP1-1-2

**York Sample ID:** 20H0269-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0269

31402600.000 Task 01.00 Rowe Industries

Water

August 7, 2020 10:15 am

08/07/2020

**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	08/10/2020 12:30	08/11/2020 07:53	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
67-66-3	<b>Chloroform</b>	<b>0.260</b>		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS



### Sample Information

**Client Sample ID:** WQ080720:1015NP1-1-2

**York Sample ID:** 20H0269-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0269

31402600.000 Task 01.00 Rowe Industries

Water

August 7, 2020 10:15 am

08/07/2020

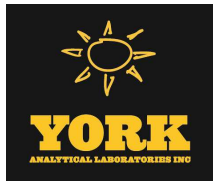
**Volatile Organics, 8260 List - Low Level**

**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	08/10/2020 12:30	08/11/2020 07:53	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
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	08/10/2020 12:30	08/11/2020 07:53	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 07:53	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/10/2020 12:30	08/11/2020 07:53	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	79-122								



## Analytical Batch Summary

**Batch ID:** BH00451

**Preparation Method:** EPA 5030B

**Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
20H0269-01	WQ080720:1015NP1-1-2	08/10/20
BH00451-BLK1	Blank	08/10/20
BH00451-BS1	LCS	08/10/20
BH00451-BSD1	LCS Dup	08/10/20



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

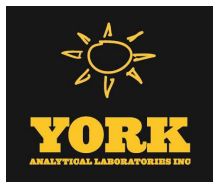
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

**Batch BH00451 - EPA 5030B**

**Blank (BH00451-BLK1)**

Prepared & Analyzed: 08/10/2020

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	Flag
		Limit			Result					Limit	
<b>Batch BH00451 - EPA 5030B</b>											
<b>Blank (BH00451-BLK1)</b>										Prepared & Analyzed: 08/10/2020	
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	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				
<b>LCS (BH00451-BS1)</b>										Prepared & Analyzed: 08/10/2020	
1,1,1,2-Tetrachloroethane	9.94		ug/L	10.0		99.4	82-126				
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	9.22		"	10.0		92.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165				
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123				
1,1-Dichloroethane	9.81		"	10.0		98.1	82-129				
1,1-Dichloroethylene	12.0		"	10.0		120	68-138				
1,1-Dichloropropylene	10.6		"	10.0		106	83-133				
1,2,3-Trichlorobenzene	9.46		"	10.0		94.6	76-136				
1,2,3-Trichloropropane	9.60		"	10.0		96.0	77-128				
1,2,4-Trichlorobenzene	9.21		"	10.0		92.1	76-137				
1,2,4-Trimethylbenzene	8.88		"	10.0		88.8	82-132				
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	45-147				
1,2-Dibromoethane	10.1		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.24		"	10.0		92.4	79-123				
1,2-Dichloroethane	10.9		"	10.0		109	73-132				
1,2-Dichloropropane	9.97		"	10.0		99.7	78-126				
1,3,5-Trimethylbenzene	8.73		"	10.0		87.3	80-131				
1,3-Dichlorobenzene	8.74		"	10.0		87.4	86-122				
1,3-Dichloropropane	10.3		"	10.0		103	81-125				
1,4-Dichlorobenzene	8.82		"	10.0		88.2	85-124				
2,2-Dichloropropane	8.97		"	10.0		89.7	56-150				
2-Chlorotoluene	8.22		"	10.0		82.2	79-130				
2-Hexanone	11.5		"	10.0		115	51-146				
4-Chlorotoluene	8.21		"	10.0		82.1	79-128				
Acetone	11.2		"	10.0		112	14-150				
Benzene	9.77		"	10.0		97.7	85-126				
Bromobenzene	8.46		"	10.0		84.6	78-129				
Bromochloromethane	11.2		"	10.0		112	77-128				
Bromodichloromethane	10.5		"	10.0		105	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 BH00451 - EPA 5030B**

**LCS (BH00451-BS1)**

Prepared & Analyzed: 08/10/2020

Bromoform	9.25		ug/L	10.0		92.5	78-133						
Bromomethane	9.43		"	10.0		94.3	43-168						
Carbon tetrachloride	10.4		"	10.0		104	77-141						
Chlorobenzene	9.43		"	10.0		94.3	88-120						
Chloroethane	11.9		"	10.0		119	65-136						
Chloroform	10.3		"	10.0		103	82-128						
Chloromethane	12.8		"	10.0		128	43-155						
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129						
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131						
Dibromochloromethane	10.5		"	10.0		105	80-130						
Dibromomethane	10.4		"	10.0		104	72-134						
Dichlorodifluoromethane	15.8		"	10.0		158	44-144		High Bias				
Ethyl Benzene	9.65		"	10.0		96.5	80-131						
Hexachlorobutadiene	9.16		"	10.0		91.6	67-146						
Isopropylbenzene	8.58		"	10.0		85.8	76-140						
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135						
Methylene chloride	10.9		"	10.0		109	55-137						
Naphthalene	10.1		"	10.0		101	70-147						
n-Butylbenzene	12.0		"	10.0		120	79-132						
n-Propylbenzene	8.69		"	10.0		86.9	78-133						
o-Xylene	9.46		"	10.0		94.6	78-130						
p- & m- Xylenes	19.2		"	20.0		96.0	77-133						
p-Isopropyltoluene	9.33		"	10.0		93.3	81-136						
sec-Butylbenzene	9.82		"	10.0		98.2	79-137						
Styrene	9.93		"	10.0		99.3	67-132						
tert-Butylbenzene	8.07		"	10.0		80.7	77-138						
Tetrachloroethylene	9.04		"	10.0		90.4	82-131						
Toluene	9.91		"	10.0		99.1	80-127						
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132						
trans-1,3-Dichloropropylene	9.86		"	10.0		98.6	78-131						
Trichloroethylene	9.71		"	10.0		97.1	82-128						
Trichlorofluoromethane	12.2		"	10.0		122	67-139						
Vinyl Chloride	12.1		"	10.0		121	58-145						
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.7</i>		<i>"</i>	<i>10.0</i>		<i>117</i>	<i>69-130</i>						
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.84</i>		<i>"</i>	<i>10.0</i>		<i>98.4</i>	<i>81-117</i>						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.76</i>		<i>"</i>	<i>10.0</i>		<i>87.6</i>	<i>79-122</i>						



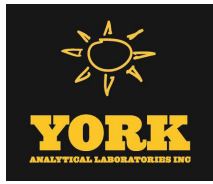
**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH00451 - EPA 5030B</b>											
<b>LCS Dup (BH00451-BSD1)</b>											
Prepared & Analyzed: 08/10/2020											
1,1,1,2-Tetrachloroethane	9.84		ug/L	10.0		98.4	82-126		1.01	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136		1.29	30	
1,1,2,2-Tetrachloroethane	9.55		"	10.0		95.5	76-129		3.52	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		2.66	30	
1,1,2-Trichloroethane	9.94		"	10.0		99.4	82-123		0.602	30	
1,1-Dichloroethane	9.81		"	10.0		98.1	82-129		0.00	30	
1,1-Dichloroethylene	11.8		"	10.0		118	68-138		1.76	30	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		0.471	30	
1,2,3-Trichlorobenzene	9.36		"	10.0		93.6	76-136		1.06	30	
1,2,3-Trichloropropane	9.81		"	10.0		98.1	77-128		2.16	30	
1,2,4-Trichlorobenzene	9.29		"	10.0		92.9	76-137		0.865	30	
1,2,4-Trimethylbenzene	9.19		"	10.0		91.9	82-132		3.43	30	
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	45-147		5.73	30	
1,2-Dibromoethane	9.90		"	10.0		99.0	83-124		1.80	30	
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123		4.03	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		2.61	30	
1,2-Dichloropropane	9.88		"	10.0		98.8	78-126		0.907	30	
1,3,5-Trimethylbenzene	9.01		"	10.0		90.1	80-131		3.16	30	
1,3-Dichlorobenzene	9.14		"	10.0		91.4	86-122		4.47	30	
1,3-Dichloropropane	9.98		"	10.0		99.8	81-125		2.86	30	
1,4-Dichlorobenzene	9.28		"	10.0		92.8	85-124		5.08	30	
2,2-Dichloropropane	8.43		"	10.0		84.3	56-150		6.21	30	
2-Chlorotoluene	8.63		"	10.0		86.3	79-130		4.87	30	
2-Hexanone	11.5		"	10.0		115	51-146		0.0871	30	
4-Chlorotoluene	8.59		"	10.0		85.9	79-128		4.52	30	
Acetone	9.85		"	10.0		98.5	14-150		13.3	30	
Benzene	9.78		"	10.0		97.8	85-126		0.102	30	
Bromobenzene	8.77		"	10.0		87.7	78-129		3.60	30	
Bromochloromethane	11.3		"	10.0		113	77-128		0.443	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		1.63	30	
Bromoform	9.27		"	10.0		92.7	78-133		0.216	30	
Bromomethane	10.7		"	10.0		107	43-168		12.8	30	
Carbon tetrachloride	10.4		"	10.0		104	77-141		0.192	30	
Chlorobenzene	9.40		"	10.0		94.0	88-120		0.319	30	
Chloroethane	10.9		"	10.0		109	65-136		8.33	30	
Chloroform	10.2		"	10.0		102	82-128		1.18	30	
Chloromethane	12.6		"	10.0		126	43-155		2.12	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		0.497	30	
cis-1,3-Dichloropropylene	9.98		"	10.0		99.8	80-131		0.300	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		1.24	30	
Dibromomethane	10.7		"	10.0		107	72-134		2.74	30	
Dichlorodifluoromethane	16.0		"	10.0		160	44-144	High Bias	1.26	30	
Ethyl Benzene	9.65		"	10.0		96.5	80-131		0.00	30	
Hexachlorobutadiene	9.40		"	10.0		94.0	67-146		2.59	30	
Isopropylbenzene	8.93		"	10.0		89.3	76-140		4.00	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		2.04	30	
Methylene chloride	10.4		"	10.0		104	55-137		4.96	30	
Naphthalene	10.0		"	10.0		100	70-147		0.695	30	
n-Butylbenzene	12.4		"	10.0		124	79-132		3.61	30	
n-Propylbenzene	9.02		"	10.0		90.2	78-133		3.73	30	



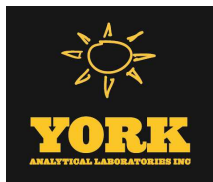
**Volatile Organic Compounds by GC/MS - Quality Control Data**  
**York Analytical Laboratories, Inc.**

Analyte	Result	Reporting	Units	Spike Level	Source*	%REC	%REC Limits	Flag	RPD	
		Limit			Result				RPD	Limit
<b>Batch BH00451 - EPA 5030B</b>										
<b>LCS Dup (BH00451-BSD1)</b>										
Prepared & Analyzed: 08/10/2020										
o-Xylene	9.42		ug/L	10.0		94.2	78-130		0.424	30
p- & m- Xylenes	19.2		"	20.0		96.2	77-133		0.156	30
p-Isopropyltoluene	9.60		"	10.0		96.0	81-136		2.85	30
sec-Butylbenzene	10.1		"	10.0		101	79-137		3.11	30
Styrene	9.88		"	10.0		98.8	67-132		0.505	30
tert-Butylbenzene	8.44		"	10.0		84.4	77-138		4.48	30
Tetrachloroethylene	9.08		"	10.0		90.8	82-131		0.442	30
Toluene	9.75		"	10.0		97.5	80-127		1.63	30
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		0.659	30
trans-1,3-Dichloropropylene	9.94		"	10.0		99.4	78-131		0.808	30
Trichloroethylene	9.88		"	10.0		98.8	82-128		1.74	30
Trichlorofluoromethane	12.4		"	10.0		124	67-139		1.63	30
Vinyl Chloride	12.2		"	10.0		122	58-145		0.824	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>	<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.98</i>		<i>"</i>	<i>10.0</i>		<i>89.8</i>	<i>79-122</i>			



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20H0269-01	WQ080720:1015NP1-1-2	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.

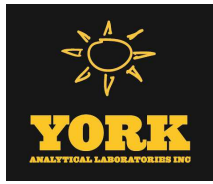
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

---





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

# Field Chain-of-Custody Record

YORK Project No.

20H0269

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

Page 1 of 1

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	WSP USA	Company:	Same	Company:	WSP USA Accounting	31401451.000 Task 01.00 31402600.000		RUSH - Next Day	
Address:	4 Research Drive, Suite 204 Shelton, CT 06484	Address:		Address:		YOUR Project Name		RUSH - Two Day	
Phone:	203-929-8555	Phone:		Phone:		Rowe Industries		RUSH - Three Day	
Contact:	Tunde Komuves-Sandor	Contact:		Contact:				RUSH - Four Day	
E-mail:	tunde.sandor@wsp.com	E-mail:		E-mail:		YOUR PO#: 31401451.000 Task 01.00		Standard (5-7 Day) <input checked="" type="checkbox"/>	

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

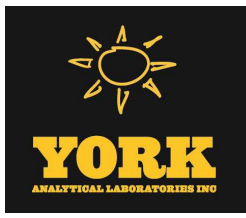
Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	CT RCP	<input checked="" type="checkbox"/> Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	<input checked="" type="checkbox"/> QA Report	CT RCP DQA/DUE	EQulS (Standard)	
DW - drinking water	Connecticut	<input type="checkbox"/> NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQulS	
WW - wastewater	Pennsylvania	<input checked="" type="checkbox"/> NY ASP B Package	NJDEP SRP HazSite		
O - Oil ; Other	Other	<input type="checkbox"/>	NJDKQP	Other:	

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WQ 080720; 1015 NPI-1-2	GW	8-7-20 10:15	VOCs 8260 full list + freon 113	3 HCl VOA

Comments:	Preservation: (check all that apply)	Special Instruction
	HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: _____	Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	
<i>[Signature]</i> WSP	8-7-20					
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time	Temp. Received at Lab
				<i>[Signature]</i>	8/7/20 1506	4.5 Degrees C



# Technical Report

prepared for:

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

Report Date: 08/12/2020  
**Client Project ID: 31402600.000 Task 01.00 Rowe Industries**  
York Project (SDG) No.: 20H0271

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  
[www.YORKLAB.com](http://www.YORKLAB.com)

STRATFORD, CT 06615  
(203) 325-1371

132-02 89th AVENUE  
FAX (203) 357-0166

RICHMOND HILL, NY 11418  
[ClientServices@yorklab.com](mailto:ClientServices@yorklab.com)

**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 August 07, 2020 and listed below. The project was identified as your project: **31402600.000 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>
20H0271-01	WQ080720:10:00 NP2-10	Water	08/07/2020	08/07/2020

## General Notes for York Project (SDG) No.: 20H0271

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: 08/12/2020





### Sample Information

**Client Sample ID:** WQ080720:10:00 NP2-10

**York Sample ID:** 20H0271-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H0271	31402600.000 Task 01.00 Rowe Industries	Water	August 7, 2020 10:00 am	08/07/2020

**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	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	08/10/2020 12:30	08/11/2020 08:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS



### Sample Information

**Client Sample ID:** WQ080720:10:00 NP2-10

**York Sample ID:** 20H0271-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0271

31402600.000 Task 01.00 Rowe Industries

Water

August 7, 2020 10:00 am

08/07/2020

**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	08/10/2020 12:30	08/11/2020 08:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS



### Sample Information

**Client Sample ID:** WQ080720:10:00 NP2-10

**York Sample ID:** 20H0271-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20H0271

31402600.000 Task 01.00 Rowe Industries

Water

August 7, 2020 10:00 am

08/07/2020

**Volatile Organics, 8260 List - Low Level**

**Log-in Notes:**

**Sample Notes:**

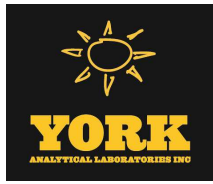
Sample Prepared by Method: EPA 5030B

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	08/10/2020 12:30	08/11/2020 08:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
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	08/10/2020 12:30	08/11/2020 08:20	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	08/10/2020 12:30	08/11/2020 08:20	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	08/10/2020 12:30	08/11/2020 08:20	SS
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	113 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	100 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	110 %	79-122								

**Total Dissolved Solids**

**Log-in Notes:**

**Sample Notes:**



Sample Information

Client Sample ID: WQ080720:10:00 NP2-10

York Sample ID: 20H0271-01

York Project (SDG) No. 20H0271

Client Project ID 31402600.000 Task 01.00 Rowe Industries

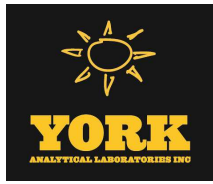
Matrix Water

Collection Date/Time August 7, 2020 10:00 am

Date Received 08/07/2020

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	178		mg/L	10.0	1	SM 2540C	08/10/2020 18:29	08/12/2020 03:43	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



## Analytical Batch Summary

**Batch ID:** BH00451

**Preparation Method:** EPA 5030B

**Prepared By:** CLO

YORK Sample ID	Client Sample ID	Preparation Date
20H0271-01	WQ080720:10:00 NP2-10	08/10/20
BH00451-BLK1	Blank	08/10/20
BH00451-BS1	LCS	08/10/20
BH00451-BSD1	LCS Dup	08/10/20

**Batch ID:** BH00484

**Preparation Method:** % Solids Prep

**Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
20H0271-01	WQ080720:10:00 NP2-10	08/10/20
BH00484-BLK1	Blank	08/10/20



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

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

**Batch BH00451 - EPA 5030B**

**Blank (BH00451-BLK1)**

Prepared & Analyzed: 08/10/2020

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	Flag
		Limit			Result					Limit	
<b>Batch BH00451 - EPA 5030B</b>											
<b>Blank (BH00451-BLK1)</b>										Prepared & Analyzed: 08/10/2020	
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	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.4</i>		<i>"</i>	<i>10.0</i>		<i>114</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				
<b>LCS (BH00451-BS1)</b>										Prepared & Analyzed: 08/10/2020	
1,1,1,2-Tetrachloroethane	9.94		ug/L	10.0		99.4	82-126				
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	9.22		"	10.0		92.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165				
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123				
1,1-Dichloroethane	9.81		"	10.0		98.1	82-129				
1,1-Dichloroethylene	12.0		"	10.0		120	68-138				
1,1-Dichloropropylene	10.6		"	10.0		106	83-133				
1,2,3-Trichlorobenzene	9.46		"	10.0		94.6	76-136				
1,2,3-Trichloropropane	9.60		"	10.0		96.0	77-128				
1,2,4-Trichlorobenzene	9.21		"	10.0		92.1	76-137				
1,2,4-Trimethylbenzene	8.88		"	10.0		88.8	82-132				
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	45-147				
1,2-Dibromoethane	10.1		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.24		"	10.0		92.4	79-123				
1,2-Dichloroethane	10.9		"	10.0		109	73-132				
1,2-Dichloropropane	9.97		"	10.0		99.7	78-126				
1,3,5-Trimethylbenzene	8.73		"	10.0		87.3	80-131				
1,3-Dichlorobenzene	8.74		"	10.0		87.4	86-122				
1,3-Dichloropropane	10.3		"	10.0		103	81-125				
1,4-Dichlorobenzene	8.82		"	10.0		88.2	85-124				
2,2-Dichloropropane	8.97		"	10.0		89.7	56-150				
2-Chlorotoluene	8.22		"	10.0		82.2	79-130				
2-Hexanone	11.5		"	10.0		115	51-146				
4-Chlorotoluene	8.21		"	10.0		82.1	79-128				
Acetone	11.2		"	10.0		112	14-150				
Benzene	9.77		"	10.0		97.7	85-126				
Bromobenzene	8.46		"	10.0		84.6	78-129				
Bromochloromethane	11.2		"	10.0		112	77-128				
Bromodichloromethane	10.5		"	10.0		105	79-128				



**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	Flag
		Limit			Result					Limit	
<b>Batch BH00451 - EPA 5030B</b>											
<b>LCS (BH00451-BS1)</b>											
Prepared & Analyzed: 08/10/2020											
Bromoform	9.25		ug/L	10.0		92.5	78-133				
Bromomethane	9.43		"	10.0		94.3	43-168				
Carbon tetrachloride	10.4		"	10.0		104	77-141				
Chlorobenzene	9.43		"	10.0		94.3	88-120				
Chloroethane	11.9		"	10.0		119	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	12.8		"	10.0		128	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131				
Dibromochloromethane	10.5		"	10.0		105	80-130				
Dibromomethane	10.4		"	10.0		104	72-134				
Dichlorodifluoromethane	15.8		"	10.0		158	44-144	High Bias			
Ethyl Benzene	9.65		"	10.0		96.5	80-131				
Hexachlorobutadiene	9.16		"	10.0		91.6	67-146				
Isopropylbenzene	8.58		"	10.0		85.8	76-140				
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135				
Methylene chloride	10.9		"	10.0		109	55-137				
Naphthalene	10.1		"	10.0		101	70-147				
n-Butylbenzene	12.0		"	10.0		120	79-132				
n-Propylbenzene	8.69		"	10.0		86.9	78-133				
o-Xylene	9.46		"	10.0		94.6	78-130				
p- & m- Xylenes	19.2		"	20.0		96.0	77-133				
p-Isopropyltoluene	9.33		"	10.0		93.3	81-136				
sec-Butylbenzene	9.82		"	10.0		98.2	79-137				
Styrene	9.93		"	10.0		99.3	67-132				
tert-Butylbenzene	8.07		"	10.0		80.7	77-138				
Tetrachloroethylene	9.04		"	10.0		90.4	82-131				
Toluene	9.91		"	10.0		99.1	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	9.86		"	10.0		98.6	78-131				
Trichloroethylene	9.71		"	10.0		97.1	82-128				
Trichlorofluoromethane	12.2		"	10.0		122	67-139				
Vinyl Chloride	12.1		"	10.0		121	58-145				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.7</i>		<i>"</i>	<i>10.0</i>		<i>117</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.84</i>		<i>"</i>	<i>10.0</i>		<i>98.4</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.76</i>		<i>"</i>	<i>10.0</i>		<i>87.6</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

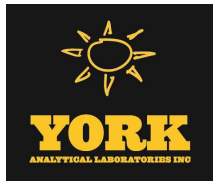
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
<b>Batch BH00451 - EPA 5030B</b>											
<b>LCS Dup (BH00451-BSD1)</b>											
Prepared & Analyzed: 08/10/2020											
1,1,1,2-Tetrachloroethane	9.84		ug/L	10.0		98.4	82-126		1.01	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136		1.29	30	
1,1,2,2-Tetrachloroethane	9.55		"	10.0		95.5	76-129		3.52	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		2.66	30	
1,1,2-Trichloroethane	9.94		"	10.0		99.4	82-123		0.602	30	
1,1-Dichloroethane	9.81		"	10.0		98.1	82-129		0.00	30	
1,1-Dichloroethylene	11.8		"	10.0		118	68-138		1.76	30	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		0.471	30	
1,2,3-Trichlorobenzene	9.36		"	10.0		93.6	76-136		1.06	30	
1,2,3-Trichloropropane	9.81		"	10.0		98.1	77-128		2.16	30	
1,2,4-Trichlorobenzene	9.29		"	10.0		92.9	76-137		0.865	30	
1,2,4-Trimethylbenzene	9.19		"	10.0		91.9	82-132		3.43	30	
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	45-147		5.73	30	
1,2-Dibromoethane	9.90		"	10.0		99.0	83-124		1.80	30	
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123		4.03	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		2.61	30	
1,2-Dichloropropane	9.88		"	10.0		98.8	78-126		0.907	30	
1,3,5-Trimethylbenzene	9.01		"	10.0		90.1	80-131		3.16	30	
1,3-Dichlorobenzene	9.14		"	10.0		91.4	86-122		4.47	30	
1,3-Dichloropropane	9.98		"	10.0		99.8	81-125		2.86	30	
1,4-Dichlorobenzene	9.28		"	10.0		92.8	85-124		5.08	30	
2,2-Dichloropropane	8.43		"	10.0		84.3	56-150		6.21	30	
2-Chlorotoluene	8.63		"	10.0		86.3	79-130		4.87	30	
2-Hexanone	11.5		"	10.0		115	51-146		0.0871	30	
4-Chlorotoluene	8.59		"	10.0		85.9	79-128		4.52	30	
Acetone	9.85		"	10.0		98.5	14-150		13.3	30	
Benzene	9.78		"	10.0		97.8	85-126		0.102	30	
Bromobenzene	8.77		"	10.0		87.7	78-129		3.60	30	
Bromochloromethane	11.3		"	10.0		113	77-128		0.443	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		1.63	30	
Bromoform	9.27		"	10.0		92.7	78-133		0.216	30	
Bromomethane	10.7		"	10.0		107	43-168		12.8	30	
Carbon tetrachloride	10.4		"	10.0		104	77-141		0.192	30	
Chlorobenzene	9.40		"	10.0		94.0	88-120		0.319	30	
Chloroethane	10.9		"	10.0		109	65-136		8.33	30	
Chloroform	10.2		"	10.0		102	82-128		1.18	30	
Chloromethane	12.6		"	10.0		126	43-155		2.12	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		0.497	30	
cis-1,3-Dichloropropylene	9.98		"	10.0		99.8	80-131		0.300	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		1.24	30	
Dibromomethane	10.7		"	10.0		107	72-134		2.74	30	
Dichlorodifluoromethane	16.0		"	10.0		160	44-144	High Bias	1.26	30	
Ethyl Benzene	9.65		"	10.0		96.5	80-131		0.00	30	
Hexachlorobutadiene	9.40		"	10.0		94.0	67-146		2.59	30	
Isopropylbenzene	8.93		"	10.0		89.3	76-140		4.00	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		2.04	30	
Methylene chloride	10.4		"	10.0		104	55-137		4.96	30	
Naphthalene	10.0		"	10.0		100	70-147		0.695	30	
n-Butylbenzene	12.4		"	10.0		124	79-132		3.61	30	
n-Propylbenzene	9.02		"	10.0		90.2	78-133		3.73	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
<b>Batch BH00451 - EPA 5030B</b>										
<b>LCS Dup (BH00451-BSD1)</b>					Prepared & Analyzed: 08/10/2020					
o-Xylene	9.42		ug/L	10.0		94.2	78-130		0.424	30
p- & m- Xylenes	19.2		"	20.0		96.2	77-133		0.156	30
p-Isopropyltoluene	9.60		"	10.0		96.0	81-136		2.85	30
sec-Butylbenzene	10.1		"	10.0		101	79-137		3.11	30
Styrene	9.88		"	10.0		98.8	67-132		0.505	30
tert-Butylbenzene	8.44		"	10.0		84.4	77-138		4.48	30
Tetrachloroethylene	9.08		"	10.0		90.8	82-131		0.442	30
Toluene	9.75		"	10.0		97.5	80-127		1.63	30
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		0.659	30
trans-1,3-Dichloropropylene	9.94		"	10.0		99.4	78-131		0.808	30
Trichloroethylene	9.88		"	10.0		98.8	82-128		1.74	30
Trichlorofluoromethane	12.4		"	10.0		124	67-139		1.63	30
Vinyl Chloride	12.2		"	10.0		122	58-145		0.824	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>	<i>69-130</i>			
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.96</i>		<i>"</i>	<i>10.0</i>		<i>99.6</i>	<i>81-117</i>			
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>8.98</i>		<i>"</i>	<i>10.0</i>		<i>89.8</i>	<i>79-122</i>			



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

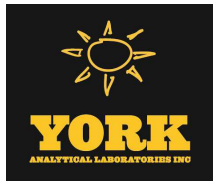
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

**Batch BH00484 - % Solids Prep**

**Blank (BH00484-BLK1)**

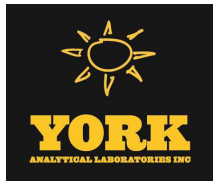
Prepared: 08/10/2020 Analyzed: 08/12/2020

Total Dissolved Solids	ND	10.0	mg/L								
------------------------	----	------	------	--	--	--	--	--	--	--	--



### Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20H0271-01	WQ080720:10:00 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



## Sample and Data Qualifiers Relating to This Work Order

- QL-02 This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
- CCV-E The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

### Definitions and Other Explanations

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

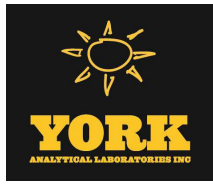
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

---



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

# Field Chain-of-Custody Record

YORK Project No.  
 20H0271

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

Page 1 of 1

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	WSP USA	Company:	Same	Company:	WSP USA Accounting	31401451.000 Task 01.00 31402600.000		RUSH - Next Day	
Address:	4 Research Drive, Suite 204 Shelton, CT 06484	Address:		Address:		YOUR Project Name		RUSH - Two Day	
Phone.:	203-929-8555	Phone.:		Phone.:		Rowe Industries		RUSH - Three Day	
Contact:	Tunde Komuves-Sandor	Contact:		Contact:				RUSH - Four Day	
E-mail:	tunde.sandor@wsp.com	E-mail:		E-mail:		YOUR PO#: 31401451.000 Task 01.00		Standard (5-7 Day)	X

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

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	<input checked="" type="checkbox"/> Summary Report	CT RCP	<input checked="" type="checkbox"/> Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	<input checked="" type="checkbox"/> QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	<input type="checkbox"/> NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	<input checked="" type="checkbox"/> NY ASP B Package	NJDEP SRP HazSite		
O - Oil ; Other	Other	<input type="checkbox"/>	NJDKQP	Other:	

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
	GW		VOCs 8260 full list + freon 113	3 HCI VOA
WQ 080720: 10:00 NP2-10	GW	10:00 8-7-20	VOCs 8260 full list + freon 113: TDS	3 HCI VOA; 1 plastic

Comments:	Preservation: (check all that apply)	Special Instruction
	HCl ___ MeOH ___ HNO <sub>3</sub> ___ H <sub>2</sub> SO <sub>4</sub> ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: _____	Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	
<i>[Signature]</i> WSP	8-7-20					
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time	Temp. Received at Lab
				<i>[Signature]</i>	8/7/20-1506	4.5 Degrees C