

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	---	---
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
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

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.

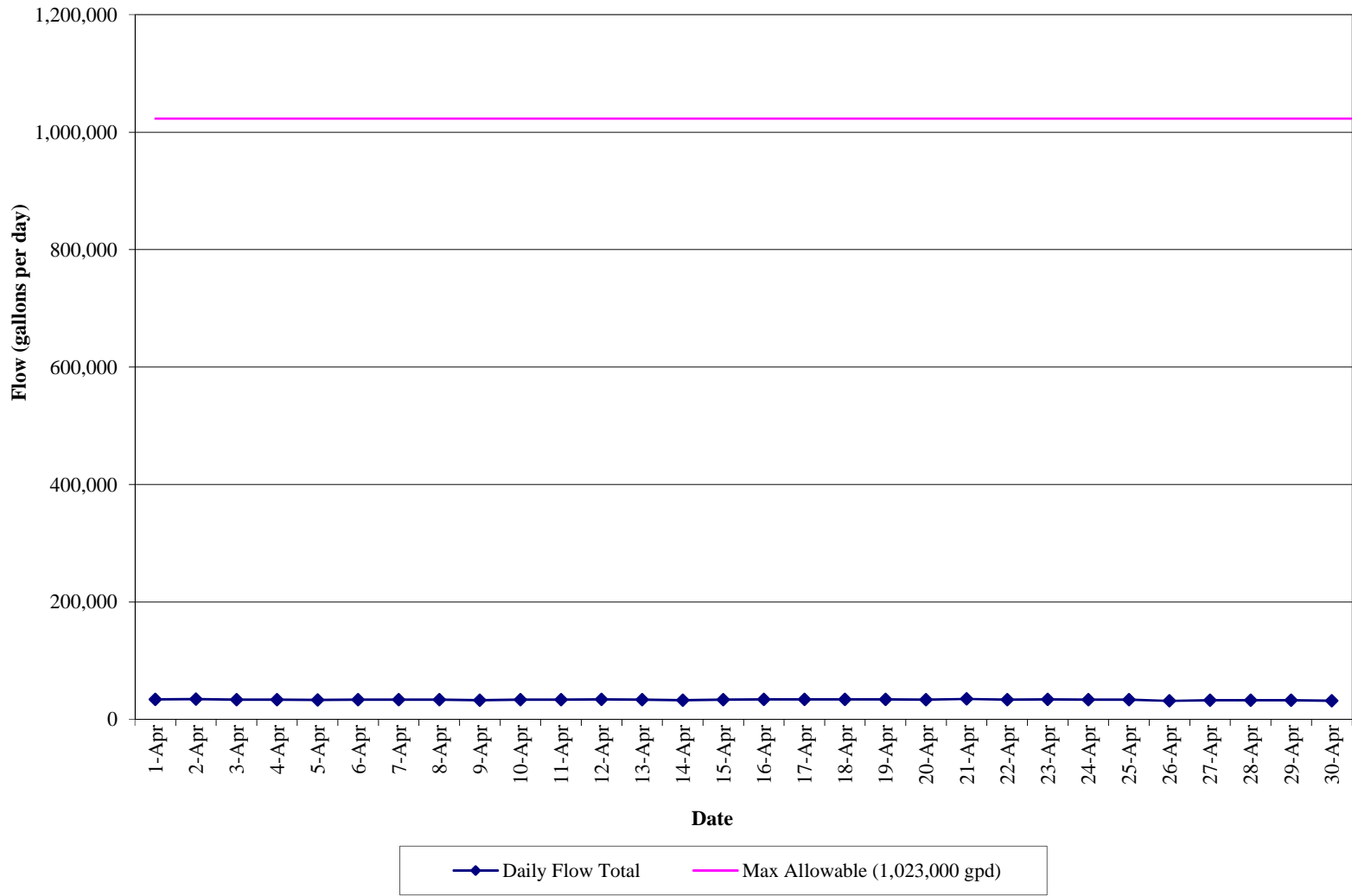
Q = QL-02: This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Notes:

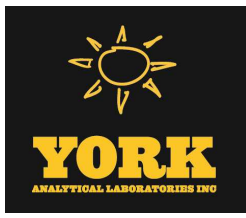
- Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The effluent pH was 7.0 on April 16, 2020. Historic pH measurements from recovery wells indicate that natural background pH concentrations are less than 6.5.
- "Effluent" 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
(April 1, 2020 to April 30, 2020)



APPENDIX I
APRIL 2020 LABORATORY ANALYTICAL REPORT
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: 04/09/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20D0107

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

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/09/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20D0107

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 April 03, 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>
20D0107-01	WQ040220:1015 NP2-10	Water	04/02/2020	04/03/2020
20D0107-02	WQ040220:1020 NP2-6	Water	04/02/2020	04/03/2020

General Notes for York Project (SDG) No.: 20D0107

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.

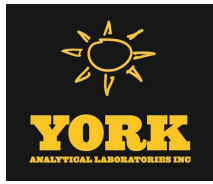
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 04/09/2020





Sample Information

Client Sample ID: WQ040220:1015 NP2-10

York Sample ID: 20D0107-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20D0107	31401451.000 Task 01.00 Rowe Industries	Water	April 2, 2020 10:15 am	04/03/2020

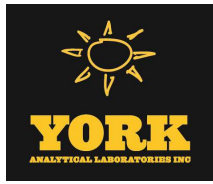
Volatile Organics, 8260 List - Low Level

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	04/08/2020 10:36	04/08/2020 18:59	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/08/2020 10:36	04/08/2020 18:59	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP



Sample Information

Client Sample ID: WQ040220:1015 NP2-10

York Sample ID: 20D0107-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0107

31401451.000 Task 01.00 Rowe Industries

Water

April 2, 2020 10:15 am

04/03/2020

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	04/08/2020 10:36	04/08/2020 18:59	TMP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
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	04/08/2020 10:36	04/08/2020 18:59	TMP
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	04/08/2020 10:36	04/08/2020 18:59	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP



Sample Information

Client Sample ID: WQ040220:1015 NP2-10

York Sample ID: 20D0107-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0107

31401451.000 Task 01.00 Rowe Industries

Water

April 2, 2020 10:15 am

04/03/2020

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	04/08/2020 10:36	04/08/2020 18:59	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
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	04/08/2020 10:36	04/08/2020 18:59	TMP
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	04/08/2020 10:36	04/08/2020 18:59	TMP
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:59	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/08/2020 10:36	04/08/2020 18:59	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	97.1 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	94.5 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	88.5 %	79-122								

Total Dissolved Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ040220:1015 NP2-10

York Sample ID: 20D0107-01

<u>York Project (SDG) No.</u> 20D0107	<u>Client Project ID</u> 31401451.000 Task 01.00 Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 2, 2020 10:15 am	<u>Date Received</u> 04/03/2020
--	---	------------------------	---	------------------------------------

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	161		mg/L	10.0	1	SM 2540C	04/06/2020 18:13	04/06/2020 18:13	AA	
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: WQ040220:1020 NP2-6

York Sample ID: 20D0107-02

<u>York Project (SDG) No.</u> 20D0107	<u>Client Project ID</u> 31401451.000 Task 01.00 Rowe Industries	<u>Matrix</u> Water	<u>Collection Date/Time</u> April 2, 2020 10:20 am	<u>Date Received</u> 04/03/2020
--	---	------------------------	---	------------------------------------

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	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/08/2020 10:36	04/08/2020 19:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			



Sample Information

Client Sample ID: WQ040220:1020 NP2-6

York Sample ID: 20D0107-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0107

31401451.000 Task 01.00 Rowe Industries

Water

April 2, 2020 10:20 am

04/03/2020

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
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
95-49-8	2-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
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	04/08/2020 10:36	04/08/2020 19:26	TMP



Sample Information

Client Sample ID: WQ040220:1020 NP2-6

York Sample ID: 20D0107-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0107

31401451.000 Task 01.00 Rowe Industries

Water

April 2, 2020 10:20 am

04/03/2020

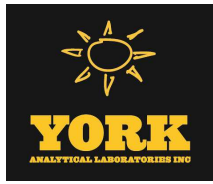
Volatile Organics, 8260 List - Low Level

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
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	04/08/2020 10:36	04/08/2020 19:26	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
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	04/08/2020 10:36	04/08/2020 19:26	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
91-20-3	Naphthalene	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
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	04/08/2020 10:36	04/08/2020 19:26	TMP
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	04/08/2020 10:36	04/08/2020 19:26	TMP
79-01-6	Trichloroethylene	0.200	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP



Sample Information

Client Sample ID: WQ040220:1020 NP2-6

York Sample ID: 20D0107-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0107

31401451.000 Task 01.00 Rowe Industries

Water

April 2, 2020 10:20 am

04/03/2020

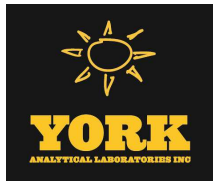
Volatile Organics, 8260 List - Low Level

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
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 19:26	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/08/2020 10:36	04/08/2020 19:26	TMP
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	95.5 %	69-130								
2037-26-5	Surrogate: SURRE: Toluene-d8	94.9 %	81-117								
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	89.2 %	79-122								



Analytical Batch Summary

Batch ID: BD00079

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20D0107-01	WQ040220:1015 NP2-10	04/08/20
20D0107-02	WQ040220:1020 NP2-6	04/08/20
BD00079-BLK1	Blank	04/08/20
BD00079-BS1	LCS	04/08/20
BD00079-BSD1	LCS Dup	04/08/20

Batch ID: BD00261

Preparation Method: % Solids Prep

Prepared By: AA

YORK Sample ID	Client Sample ID	Preparation Date
20D0107-01	WQ040220:1015 NP2-10	04/06/20
BD00261-BLK1	Blank	04/06/20



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

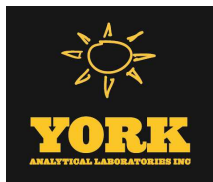
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

Batch BD00079 - EPA 5030B

Blank (BD00079-BLK1)

Prepared & Analyzed: 04/08/2020

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	Source*	%REC	%REC	Flag	RPD	Limit	Flag
		Limit			Result				RPD		
Batch BD00079 - EPA 5030B											
Blank (BD00079-BLK1)										Prepared & Analyzed: 04/08/2020	
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	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	8.87		"	10.0		88.7	69-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.48		"	10.0		94.8	81-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.34		"	10.0		93.4	79-122				
LCS (BD00079-BS1)										Prepared & Analyzed: 04/08/2020	
1,1,1,2-Tetrachloroethane	9.25		ug/L	10.0		92.5	82-126				
1,1,1-Trichloroethane	9.64		"	10.0		96.4	78-136				
1,1,2,2-Tetrachloroethane	8.42		"	10.0		84.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	8.52		"	10.0		85.2	82-123				
1,1-Dichloroethane	9.35		"	10.0		93.5	82-129				
1,1-Dichloroethylene	9.53		"	10.0		95.3	68-138				
1,1-Dichloropropylene	9.87		"	10.0		98.7	83-133				
1,2,3-Trichlorobenzene	8.96		"	10.0		89.6	76-136				
1,2,3-Trichloropropane	9.02		"	10.0		90.2	77-128				
1,2,4-Trichlorobenzene	8.94		"	10.0		89.4	76-137				
1,2,4-Trimethylbenzene	9.08		"	10.0		90.8	82-132				
1,2-Dibromo-3-chloropropane	7.85		"	10.0		78.5	45-147				
1,2-Dibromoethane	8.48		"	10.0		84.8	83-124				
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123				
1,2-Dichloroethane	8.55		"	10.0		85.5	73-132				
1,2-Dichloropropane	8.33		"	10.0		83.3	78-126				
1,3,5-Trimethylbenzene	9.08		"	10.0		90.8	80-131				
1,3-Dichlorobenzene	8.86		"	10.0		88.6	86-122				
1,3-Dichloropropane	8.58		"	10.0		85.8	81-125				
1,4-Dichlorobenzene	9.15		"	10.0		91.5	85-124				
2,2-Dichloropropane	9.69		"	10.0		96.9	56-150				
2-Chlorotoluene	8.73		"	10.0		87.3	79-130				
2-Hexanone	7.25		"	10.0		72.5	51-146				
4-Chlorotoluene	8.64		"	10.0		86.4	79-128				
Acetone	8.24		"	10.0		82.4	14-150				
Benzene	10.2		"	10.0		102	85-126				
Bromobenzene	8.50		"	10.0		85.0	78-129				
Bromochloromethane	8.87		"	10.0		88.7	77-128				
Bromodichloromethane	8.25		"	10.0		82.5	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 BD00079 - EPA 5030B

LCS (BD00079-BS1)

Prepared & Analyzed: 04/08/2020

Bromoform	9.04		ug/L	10.0		90.4	78-133						
Bromomethane	2.14		"	10.0		21.4	43-168	Low Bias					
Carbon tetrachloride	9.48		"	10.0		94.8	77-141						
Chlorobenzene	9.11		"	10.0		91.1	88-120						
Chloroethane	10.4		"	10.0		104	65-136						
Chloroform	9.57		"	10.0		95.7	82-128						
Chloromethane	6.14		"	10.0		61.4	43-155						
cis-1,2-Dichloroethylene	9.28		"	10.0		92.8	83-129						
cis-1,3-Dichloropropylene	8.44		"	10.0		84.4	80-131						
Dibromochloromethane	8.72		"	10.0		87.2	80-130						
Dibromomethane	8.43		"	10.0		84.3	72-134						
Dichlorodifluoromethane	10.9		"	10.0		109	44-144						
Ethyl Benzene	9.25		"	10.0		92.5	80-131						
Hexachlorobutadiene	9.55		"	10.0		95.5	67-146						
Isopropylbenzene	9.00		"	10.0		90.0	76-140						
Methyl tert-butyl ether (MTBE)	9.32		"	10.0		93.2	76-135						
Methylene chloride	9.62		"	10.0		96.2	55-137						
Naphthalene	7.63		"	10.0		76.3	70-147						
n-Butylbenzene	8.94		"	10.0		89.4	79-132						
n-Propylbenzene	9.11		"	10.0		91.1	78-133						
o-Xylene	8.89		"	10.0		88.9	78-130						
p- & m- Xylenes	18.6		"	20.0		92.8	77-133						
p-Isopropyltoluene	9.37		"	10.0		93.7	81-136						
sec-Butylbenzene	9.54		"	10.0		95.4	79-137						
Styrene	9.42		"	10.0		94.2	67-132						
tert-Butylbenzene	7.82		"	10.0		78.2	77-138						
Tetrachloroethylene	9.17		"	10.0		91.7	82-131						
Toluene	9.02		"	10.0		90.2	80-127						
trans-1,2-Dichloroethylene	9.80		"	10.0		98.0	80-132						
trans-1,3-Dichloropropylene	8.21		"	10.0		82.1	78-131						
Trichloroethylene	8.79		"	10.0		87.9	82-128						
Trichlorofluoromethane	11.0		"	10.0		110	67-139						
Vinyl Chloride	9.63		"	10.0		96.3	58-145						
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>8.80</i>		<i>"</i>	<i>10.0</i>		<i>88.0</i>	<i>69-130</i>						
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>81-117</i>						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.61</i>		<i>"</i>	<i>10.0</i>		<i>96.1</i>	<i>79-122</i>						



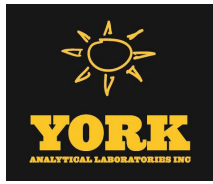
Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00079 - EPA 5030B											
LCS Dup (BD00079-BSD1)											
Prepared & Analyzed: 04/08/2020											
1,1,1,2-Tetrachloroethane	8.85		ug/L	10.0		88.5	82-126		4.42	30	
1,1,1-Trichloroethane	9.07		"	10.0		90.7	78-136		6.09	30	
1,1,2,2-Tetrachloroethane	8.10		"	10.0		81.0	76-129		3.87	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9	54-165		6.58	30	
1,1,2-Trichloroethane	8.41		"	10.0		84.1	82-123		1.30	30	
1,1-Dichloroethane	9.01		"	10.0		90.1	82-129		3.70	30	
1,1-Dichloroethylene	9.16		"	10.0		91.6	68-138		3.96	30	
1,1-Dichloropropylene	9.11		"	10.0		91.1	83-133		8.01	30	
1,2,3-Trichlorobenzene	9.00		"	10.0		90.0	76-136		0.445	30	
1,2,3-Trichloropropane	8.74		"	10.0		87.4	77-128		3.15	30	
1,2,4-Trichlorobenzene	8.79		"	10.0		87.9	76-137		1.69	30	
1,2,4-Trimethylbenzene	8.47		"	10.0		84.7	82-132		6.95	30	
1,2-Dibromo-3-chloropropane	7.71		"	10.0		77.1	45-147		1.80	30	
1,2-Dibromoethane	8.50		"	10.0		85.0	83-124		0.236	30	
1,2-Dichlorobenzene	8.82		"	10.0		88.2	79-123		3.45	30	
1,2-Dichloroethane	8.44		"	10.0		84.4	73-132		1.29	30	
1,2-Dichloropropane	7.98		"	10.0		79.8	78-126		4.29	30	
1,3,5-Trimethylbenzene	8.42		"	10.0		84.2	80-131		7.54	30	
1,3-Dichlorobenzene	8.48		"	10.0		84.8	86-122	Low Bias	4.38	30	
1,3-Dichloropropane	8.40		"	10.0		84.0	81-125		2.12	30	
1,4-Dichlorobenzene	8.58		"	10.0		85.8	85-124		6.43	30	
2,2-Dichloropropane	9.04		"	10.0		90.4	56-150		6.94	30	
2-Chlorotoluene	7.89		"	10.0		78.9	79-130	Low Bias	10.1	30	
2-Hexanone	7.14		"	10.0		71.4	51-146		1.53	30	
4-Chlorotoluene	7.97		"	10.0		79.7	79-128		8.07	30	
Acetone	8.37		"	10.0		83.7	14-150		1.57	30	
Benzene	9.74		"	10.0		97.4	85-126		4.91	30	
Bromobenzene	7.88		"	10.0		78.8	78-129		7.57	30	
Bromochloromethane	8.34		"	10.0		83.4	77-128		6.16	30	
Bromodichloromethane	8.18		"	10.0		81.8	79-128		0.852	30	
Bromoform	8.91		"	10.0		89.1	78-133		1.45	30	
Bromomethane	1.94		"	10.0		19.4	43-168	Low Bias	9.80	30	
Carbon tetrachloride	9.01		"	10.0		90.1	77-141		5.08	30	
Chlorobenzene	8.85		"	10.0		88.5	88-120		2.90	30	
Chloroethane	8.01		"	10.0		80.1	65-136		25.5	30	
Chloroform	9.19		"	10.0		91.9	82-128		4.05	30	
Chloromethane	4.02		"	10.0		40.2	43-155	Low Bias	41.7	30	Non-dir.
cis-1,2-Dichloroethylene	8.76		"	10.0		87.6	83-129		5.76	30	
cis-1,3-Dichloropropylene	8.38		"	10.0		83.8	80-131		0.713	30	
Dibromochloromethane	8.77		"	10.0		87.7	80-130		0.572	30	
Dibromomethane	8.43		"	10.0		84.3	72-134		0.00	30	
Dichlorodifluoromethane	9.71		"	10.0		97.1	44-144		11.4	30	
Ethyl Benzene	8.82		"	10.0		88.2	80-131		4.76	30	
Hexachlorobutadiene	8.86		"	10.0		88.6	67-146		7.50	30	
Isopropylbenzene	8.15		"	10.0		81.5	76-140		9.91	30	
Methyl tert-butyl ether (MTBE)	9.39		"	10.0		93.9	76-135		0.748	30	
Methylene chloride	9.08		"	10.0		90.8	55-137		5.78	30	
Naphthalene	7.80		"	10.0		78.0	70-147		2.20	30	
n-Butylbenzene	8.25		"	10.0		82.5	79-132		8.03	30	
n-Propylbenzene	8.38		"	10.0		83.8	78-133		8.35	30	



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00079 - EPA 5030B											
LCS Dup (BD00079-BSD1)											
Prepared & Analyzed: 04/08/2020											
o-Xylene	8.60		ug/L	10.0		86.0	78-130		3.32	30	
p- & m- Xylenes	17.8		"	20.0		88.8	77-133		4.41	30	
p-Isopropyltoluene	8.70		"	10.0		87.0	81-136		7.42	30	
sec-Butylbenzene	8.86		"	10.0		88.6	79-137		7.39	30	
Styrene	9.22		"	10.0		92.2	67-132		2.15	30	
tert-Butylbenzene	7.17		"	10.0		71.7	77-138	Low Bias	8.67	30	
Tetrachloroethylene	8.52		"	10.0		85.2	82-131		7.35	30	
Toluene	8.74		"	10.0		87.4	80-127		3.15	30	
trans-1,2-Dichloroethylene	9.28		"	10.0		92.8	80-132		5.45	30	
trans-1,3-Dichloropropylene	7.99		"	10.0		79.9	78-131		2.72	30	
Trichloroethylene	8.16		"	10.0		81.6	82-128	Low Bias	7.43	30	
Trichlorofluoromethane	10.1		"	10.0		101	67-139		8.70	30	
Vinyl Chloride	7.51		"	10.0		75.1	58-145		24.7	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.25		"	10.0		92.5	69-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.54		"	10.0		95.4	81-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.45		"	10.0		94.5	79-122				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

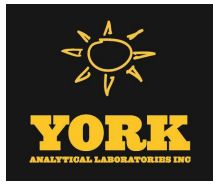
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

Batch BD00261 - % Solids Prep

Blank (BD00261-BLK1)

Prepared & Analyzed: 04/06/2020

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



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20D0107-01	WQ040220:1015 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20D0107-02	WQ040220:1020 NP2-6	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.

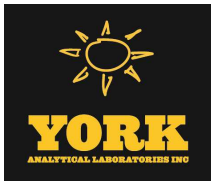
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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 132-02 89th Ave
Stratford, CT 06615 Queens, NY 11418



clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.

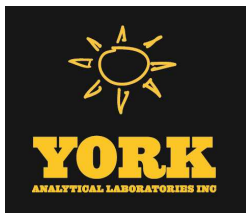
2000107

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		RUSH - Next Day	
Address:	4 Research Drive, Suite 204 Shelton, CT 06484	Address:		Address:		YOUR Project Name Rowe Industries		RUSH - Two Day	
Phone:	203-929-8555	Phone:		Phone:				RUSH - Three Day	
Contact:	Tunde Komuves-Sandor	Contact:		Contact:		YOUR PO#: 31401451.000 Task 01.00		RUSH - Four Day	
E-mail:	tunde.sandor@wsp.com	E-mail:		E-mail:				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.	
Samples Collected by: (print your name above and sign below) <i>Scott Philbrick</i> <i>Scott Philbrick</i>			S - soil / solid	New York	X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
			GW - groundwater	New Jersey		QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
			DW - drinking water	Connecticut		NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS	
			WW - wastewater	Pennsylvania		NY ASP B Package	NJDEP SRP HazSite		
			O - Oil ; Other	Other			NJDKQP	Other:	
Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested			Container Description			
WQ040220 1015 NP2-K 6	GW	4-2-20 10:15	VOCs 8260 full list + freon 113			3 HCl VOA			
WQ040220 1020 NP2-K 10	GW	4-2-20 10:20	VOCs 8260 full list + freon 113; TDS			3 HCl VOA; 1 plastic			
Comments:						Preservation: (check all that apply)		Special Instruction	
						HCl <input checked="" type="checkbox"/> MeOH <input type="checkbox"/> HNO ₃ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/>		Field Filtered <input type="checkbox"/>	
						Ascorbic Acid <input type="checkbox"/> Other: <u>cool</u>		Lab to Filter <input type="checkbox"/>	
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time		
<i>Scott Philbrick WSP</i>	4-2-20 14:07	<i>[Signature]</i>	4/2/2020 (22)	<i>[Signature]</i>		<i>[Signature]</i>	4/3/2020	1325	
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received 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			
					7 Feb 4/3/2020	1325	1.3 Degrees C		

APPENDIX II
APRIL 2020 LABORATORY ANALYTICAL REPORTS
FOR FSP&T RECOVERY WELL



Technical Report

prepared for:

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

Report Date: 04/09/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20D0105

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

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
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 April 03, 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>
20D0105-01	WQ040220:1025 NP1-1-2	Water	04/02/2020	04/03/2020

General Notes for York Project (SDG) No.: 20D0105

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.

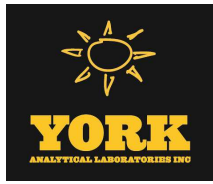
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 04/09/2020





Sample Information

Client Sample ID: WQ040220:1025 NP1-1-2

York Sample ID: 20D0105-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20D0105	31401451.000 Task 01.00 Rowe Industries	Water	April 2, 2020 10:25 am	04/03/2020

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	04/08/2020 10:36	04/08/2020 18:33	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	04/08/2020 10:36	04/08/2020 18:33	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
594-20-7	2,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP



Sample Information

Client Sample ID: WQ040220:1025 NP1-1-2

York Sample ID: 20D0105-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0105

31401451.000 Task 01.00 Rowe Industries

Water

April 2, 2020 10:25 am

04/03/2020

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	04/08/2020 10:36	04/08/2020 18:33	TMP
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
106-43-4	4-Chlorotoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
108-86-1	Bromobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
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	04/08/2020 10:36	04/08/2020 18:33	TMP
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	04/08/2020 10:36	04/08/2020 18:33	TMP
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP



Sample Information

Client Sample ID: WQ040220:1025 NP1-1-2

York Sample ID: 20D0105-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0105

31401451.000 Task 01.00 Rowe Industries

Water

April 2, 2020 10:25 am

04/03/2020

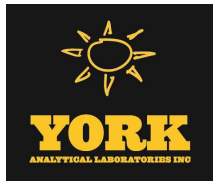
Volatile Organics, 8260 List - Low Level

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	04/08/2020 10:36	04/08/2020 18:33	TMP
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
91-20-3	Naphthalene	1.33	CCV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
127-18-4	Tetrachloroethylene	0.230		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
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	04/08/2020 10:36	04/08/2020 18:33	TMP
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	04/08/2020 10:36	04/08/2020 18:33	TMP
79-01-6	Trichloroethylene	0.230	QL-02	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	04/08/2020 10:36	04/08/2020 18:33	TMP
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	04/08/2020 10:36	04/08/2020 18:33	TMP
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	89.2 %			69-130						
2037-26-5	Surrogate: SURRE: Toluene-d8	94.4 %			81-117						
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	92.3 %			79-122						



Analytical Batch Summary

Batch ID: BD00079

Preparation Method: EPA 5030B

Prepared By: TMP

YORK Sample ID	Client Sample ID	Preparation Date
20D0105-01	WQ040220:1025 NP1-1-2	04/08/20
BD00079-BLK1	Blank	04/08/20
BD00079-BS1	LCS	04/08/20
BD00079-BSD1	LCS Dup	04/08/20



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 BD00079 - EPA 5030B

Blank (BD00079-BLK1)

Prepared & Analyzed: 04/08/2020

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
---------	--------	-----------------	-------	-------------	----------------	------	-------------	------	-----	-----------	------

Batch BD00079 - EPA 5030B

Blank (BD00079-BLK1)

Prepared & Analyzed: 04/08/2020

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	8.87		"	10.0		88.7	69-130				
Surrogate: SURR: Toluene-d8	9.48		"	10.0		94.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.34		"	10.0		93.4	79-122				

LCS (BD00079-BS1)

Prepared & Analyzed: 04/08/2020

1,1,1,2-Tetrachloroethane	9.25		ug/L	10.0		92.5	82-126				
1,1,1-Trichloroethane	9.64		"	10.0		96.4	78-136				
1,1,2,2-Tetrachloroethane	8.42		"	10.0		84.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	8.52		"	10.0		85.2	82-123				
1,1-Dichloroethane	9.35		"	10.0		93.5	82-129				
1,1-Dichloroethylene	9.53		"	10.0		95.3	68-138				
1,1-Dichloropropylene	9.87		"	10.0		98.7	83-133				
1,2,3-Trichlorobenzene	8.96		"	10.0		89.6	76-136				
1,2,3-Trichloropropane	9.02		"	10.0		90.2	77-128				
1,2,4-Trichlorobenzene	8.94		"	10.0		89.4	76-137				
1,2,4-Trimethylbenzene	9.08		"	10.0		90.8	82-132				
1,2-Dibromo-3-chloropropane	7.85		"	10.0		78.5	45-147				
1,2-Dibromoethane	8.48		"	10.0		84.8	83-124				
1,2-Dichlorobenzene	9.13		"	10.0		91.3	79-123				
1,2-Dichloroethane	8.55		"	10.0		85.5	73-132				
1,2-Dichloropropane	8.33		"	10.0		83.3	78-126				
1,3,5-Trimethylbenzene	9.08		"	10.0		90.8	80-131				
1,3-Dichlorobenzene	8.86		"	10.0		88.6	86-122				
1,3-Dichloropropane	8.58		"	10.0		85.8	81-125				
1,4-Dichlorobenzene	9.15		"	10.0		91.5	85-124				
2,2-Dichloropropane	9.69		"	10.0		96.9	56-150				
2-Chlorotoluene	8.73		"	10.0		87.3	79-130				
2-Hexanone	7.25		"	10.0		72.5	51-146				
4-Chlorotoluene	8.64		"	10.0		86.4	79-128				
Acetone	8.24		"	10.0		82.4	14-150				
Benzene	10.2		"	10.0		102	85-126				
Bromobenzene	8.50		"	10.0		85.0	78-129				
Bromochloromethane	8.87		"	10.0		88.7	77-128				
Bromodichloromethane	8.25		"	10.0		82.5	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 BD00079 - EPA 5030B

LCS (BD00079-BS1)

Prepared & Analyzed: 04/08/2020

Bromoform	9.04		ug/L	10.0		90.4	78-133						
Bromomethane	2.14		"	10.0		21.4	43-168	Low Bias					
Carbon tetrachloride	9.48		"	10.0		94.8	77-141						
Chlorobenzene	9.11		"	10.0		91.1	88-120						
Chloroethane	10.4		"	10.0		104	65-136						
Chloroform	9.57		"	10.0		95.7	82-128						
Chloromethane	6.14		"	10.0		61.4	43-155						
cis-1,2-Dichloroethylene	9.28		"	10.0		92.8	83-129						
cis-1,3-Dichloropropylene	8.44		"	10.0		84.4	80-131						
Dibromochloromethane	8.72		"	10.0		87.2	80-130						
Dibromomethane	8.43		"	10.0		84.3	72-134						
Dichlorodifluoromethane	10.9		"	10.0		109	44-144						
Ethyl Benzene	9.25		"	10.0		92.5	80-131						
Hexachlorobutadiene	9.55		"	10.0		95.5	67-146						
Isopropylbenzene	9.00		"	10.0		90.0	76-140						
Methyl tert-butyl ether (MTBE)	9.32		"	10.0		93.2	76-135						
Methylene chloride	9.62		"	10.0		96.2	55-137						
Naphthalene	7.63		"	10.0		76.3	70-147						
n-Butylbenzene	8.94		"	10.0		89.4	79-132						
n-Propylbenzene	9.11		"	10.0		91.1	78-133						
o-Xylene	8.89		"	10.0		88.9	78-130						
p- & m- Xylenes	18.6		"	20.0		92.8	77-133						
p-Isopropyltoluene	9.37		"	10.0		93.7	81-136						
sec-Butylbenzene	9.54		"	10.0		95.4	79-137						
Styrene	9.42		"	10.0		94.2	67-132						
tert-Butylbenzene	7.82		"	10.0		78.2	77-138						
Tetrachloroethylene	9.17		"	10.0		91.7	82-131						
Toluene	9.02		"	10.0		90.2	80-127						
trans-1,2-Dichloroethylene	9.80		"	10.0		98.0	80-132						
trans-1,3-Dichloropropylene	8.21		"	10.0		82.1	78-131						
Trichloroethylene	8.79		"	10.0		87.9	82-128						
Trichlorofluoromethane	11.0		"	10.0		110	67-139						
Vinyl Chloride	9.63		"	10.0		96.3	58-145						
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	8.80		"	10.0		88.0	69-130						
<i>Surrogate: SURR: Toluene-d8</i>	9.64		"	10.0		96.4	81-117						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.61		"	10.0		96.1	79-122						



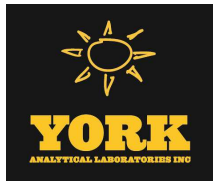
Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00079 - EPA 5030B											
LCS Dup (BD00079-BSD1)											
Prepared & Analyzed: 04/08/2020											
1,1,1,2-Tetrachloroethane	8.85		ug/L	10.0		88.5	82-126		4.42	30	
1,1,1-Trichloroethane	9.07		"	10.0		90.7	78-136		6.09	30	
1,1,2,2-Tetrachloroethane	8.10		"	10.0		81.0	76-129		3.87	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9	54-165		6.58	30	
1,1,2-Trichloroethane	8.41		"	10.0		84.1	82-123		1.30	30	
1,1-Dichloroethane	9.01		"	10.0		90.1	82-129		3.70	30	
1,1-Dichloroethylene	9.16		"	10.0		91.6	68-138		3.96	30	
1,1-Dichloropropylene	9.11		"	10.0		91.1	83-133		8.01	30	
1,2,3-Trichlorobenzene	9.00		"	10.0		90.0	76-136		0.445	30	
1,2,3-Trichloropropane	8.74		"	10.0		87.4	77-128		3.15	30	
1,2,4-Trichlorobenzene	8.79		"	10.0		87.9	76-137		1.69	30	
1,2,4-Trimethylbenzene	8.47		"	10.0		84.7	82-132		6.95	30	
1,2-Dibromo-3-chloropropane	7.71		"	10.0		77.1	45-147		1.80	30	
1,2-Dibromoethane	8.50		"	10.0		85.0	83-124		0.236	30	
1,2-Dichlorobenzene	8.82		"	10.0		88.2	79-123		3.45	30	
1,2-Dichloroethane	8.44		"	10.0		84.4	73-132		1.29	30	
1,2-Dichloropropane	7.98		"	10.0		79.8	78-126		4.29	30	
1,3,5-Trimethylbenzene	8.42		"	10.0		84.2	80-131		7.54	30	
1,3-Dichlorobenzene	8.48		"	10.0		84.8	86-122	Low Bias	4.38	30	
1,3-Dichloropropane	8.40		"	10.0		84.0	81-125		2.12	30	
1,4-Dichlorobenzene	8.58		"	10.0		85.8	85-124		6.43	30	
2,2-Dichloropropane	9.04		"	10.0		90.4	56-150		6.94	30	
2-Chlorotoluene	7.89		"	10.0		78.9	79-130	Low Bias	10.1	30	
2-Hexanone	7.14		"	10.0		71.4	51-146		1.53	30	
4-Chlorotoluene	7.97		"	10.0		79.7	79-128		8.07	30	
Acetone	8.37		"	10.0		83.7	14-150		1.57	30	
Benzene	9.74		"	10.0		97.4	85-126		4.91	30	
Bromobenzene	7.88		"	10.0		78.8	78-129		7.57	30	
Bromochloromethane	8.34		"	10.0		83.4	77-128		6.16	30	
Bromodichloromethane	8.18		"	10.0		81.8	79-128		0.852	30	
Bromoform	8.91		"	10.0		89.1	78-133		1.45	30	
Bromomethane	1.94		"	10.0		19.4	43-168	Low Bias	9.80	30	
Carbon tetrachloride	9.01		"	10.0		90.1	77-141		5.08	30	
Chlorobenzene	8.85		"	10.0		88.5	88-120		2.90	30	
Chloroethane	8.01		"	10.0		80.1	65-136		25.5	30	
Chloroform	9.19		"	10.0		91.9	82-128		4.05	30	
Chloromethane	4.02		"	10.0		40.2	43-155	Low Bias	41.7	30	Non-dir.
cis-1,2-Dichloroethylene	8.76		"	10.0		87.6	83-129		5.76	30	
cis-1,3-Dichloropropylene	8.38		"	10.0		83.8	80-131		0.713	30	
Dibromochloromethane	8.77		"	10.0		87.7	80-130		0.572	30	
Dibromomethane	8.43		"	10.0		84.3	72-134		0.00	30	
Dichlorodifluoromethane	9.71		"	10.0		97.1	44-144		11.4	30	
Ethyl Benzene	8.82		"	10.0		88.2	80-131		4.76	30	
Hexachlorobutadiene	8.86		"	10.0		88.6	67-146		7.50	30	
Isopropylbenzene	8.15		"	10.0		81.5	76-140		9.91	30	
Methyl tert-butyl ether (MTBE)	9.39		"	10.0		93.9	76-135		0.748	30	
Methylene chloride	9.08		"	10.0		90.8	55-137		5.78	30	
Naphthalene	7.80		"	10.0		78.0	70-147		2.20	30	
n-Butylbenzene	8.25		"	10.0		82.5	79-132		8.03	30	
n-Propylbenzene	8.38		"	10.0		83.8	78-133		8.35	30	



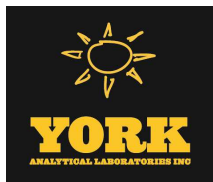
Volatile Organic Compounds by GC/MS - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00079 - EPA 5030B											
LCS Dup (BD00079-BSD1)											
Prepared & Analyzed: 04/08/2020											
o-Xylene	8.60		ug/L	10.0		86.0	78-130		3.32	30	
p- & m- Xylenes	17.8		"	20.0		88.8	77-133		4.41	30	
p-Isopropyltoluene	8.70		"	10.0		87.0	81-136		7.42	30	
sec-Butylbenzene	8.86		"	10.0		88.6	79-137		7.39	30	
Styrene	9.22		"	10.0		92.2	67-132		2.15	30	
tert-Butylbenzene	7.17		"	10.0		71.7	77-138	Low Bias	8.67	30	
Tetrachloroethylene	8.52		"	10.0		85.2	82-131		7.35	30	
Toluene	8.74		"	10.0		87.4	80-127		3.15	30	
trans-1,2-Dichloroethylene	9.28		"	10.0		92.8	80-132		5.45	30	
trans-1,3-Dichloropropylene	7.99		"	10.0		79.9	78-131		2.72	30	
Trichloroethylene	8.16		"	10.0		81.6	82-128	Low Bias	7.43	30	
Trichlorofluoromethane	10.1		"	10.0		101	67-139		8.70	30	
Vinyl Chloride	7.51		"	10.0		75.1	58-145		24.7	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.25		"	10.0		92.5	69-130				
Surrogate: SURR: Toluene-d8	9.54		"	10.0		95.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.45		"	10.0		94.5	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20D0105-01	WQ040220:1025 NP1-1-2	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.

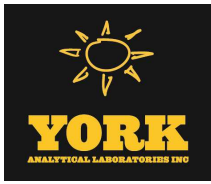
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For 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 132-02 89th Ave
 Stratford, CT 06615 Queens, NY 11418
 clientservices@yorklab.com
 www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.

20D0105

Page 1 of 1

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.

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		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:	YOUR PO#: 31401451.000 Task 01.00		RUSH - Four Day				
E-mail: tunde.sandor@wsp.com	E-mail:	E-mail:			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.

Signature: Scott Philbrick
 Samples Collected by: (print your name above and sign below)
[Signature]

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WQ 040220 1025 NP1-1-2	GW	4-2-20 10:25	VOCs 8260 full list + freon 113	3 HCI VOA

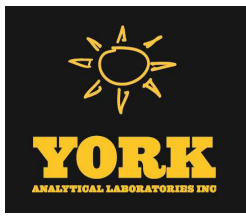
Comments:

Preservation: (check all that apply)
 HCl MeOH ___ HNO₃ ___ H₂SO₄ ___ NaOH ___ ZnAc ___
 Ascorbic Acid ___ Other: cool

Special Instruction:
 Field Filtered ___
 Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
<u>[Signature]</u> WSP	4-2-20 14:00	<u>[Signature]</u>	4/3/2020 12:20	<u>[Signature]</u>	4/3/2020 1325
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
				<u>[Signature]</u>	4/3/2020 1325
					Temp. Received at Lab
					1.3 Degrees C

APPENDIX III
APRIL 2020 LABORATORY ANALYTICAL REPORT
FOR AIR SAMPLES



Technical Report

prepared for:

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

Report Date: 04/24/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20D0480

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

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/24/2020
Client Project ID: 31401451.000 Task 01.00 Rowe Industries
York Project (SDG) No.: 20D0480

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 April 17, 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>
20D0480-01	NP4-1	Vapor Extraction	04/16/2020	04/17/2020
20D0480-02	NP4-3	Vapor Extraction	04/16/2020	04/17/2020

General Notes for York Project (SDG) No.: 20D0480

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: 04/24/2020





Sample Information

Client Sample ID: NP4-1

York Sample ID: 20D0480-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20D0480	31401451.000 Task 01.00 Rowe Industries	Vapor Extraction	April 16, 2020 9:30 am	04/17/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.565	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 16:41	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.85	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.85	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.77	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.94	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.72	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.77	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.94	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.72	1.565	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 16:41	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.94	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
78-93-3	2-Butanone	3.2		ug/m ³	0.46	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.3	1.565	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 16:41	LLJ



Sample Information

Client Sample ID: NP4-1

York Sample ID: 20D0480-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0480

31401451.000 Task 01.00 Rowe Industries

Vapor Extraction

April 16, 2020 9:30 am

04/17/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.4	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.64	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
67-64-1	Acetone	14		ug/m ³	0.74	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
71-43-2	Benzene	ND		ug/m ³	0.50	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.81	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.6	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.61	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.49	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
56-23-5	Carbon tetrachloride	0.49		ug/m ³	0.25	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.72	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.76	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
74-87-3	Chloromethane	1.0		ug/m ³	0.32	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.71	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.54	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-71-8	Dichlorodifluoromethane	2.6		ug/m ³	0.77	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	0.68	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ



Sample Information

Client Sample ID: NP4-1

York Sample ID: 20D0480-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0480

31401451.000 Task 01.00 Rowe Industries

Vapor Extraction

April 16, 2020 9:30 am

04/17/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes: TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	6.7		ug/m ³	0.77	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
80-62-6	Methyl Methacrylate	6.2		ug/m ³	0.64	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.56	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	1.1	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.64	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
110-54-3	n-Hexane	ND		ug/m ³	0.55	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.68	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.4	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.77	1.565	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 16:41	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.27	1.565	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 16:41	LLJ
100-42-5	Styrene	ND		ug/m ³	0.67	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.1	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.92	1.565	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 16:41	LLJ
108-88-3	Toluene	0.59		ug/m ³	0.59	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.62	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.71	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.4		ug/m ³	0.88	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.55	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.68	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.20	1.565	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 16:41	LLJ
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %		70-130						



Sample Information

Client Sample ID: NP4-3

York Sample ID: 20D0480-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0480

31401451.000 Task 01.00 Rowe Industries

Vapor Extraction

April 16, 2020 9:40 am

04/17/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.0	1.484	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 17:34	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.81	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.0	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.1	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.81	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.60	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.15	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.1	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.73	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.1	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.89	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.60	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.69	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.0	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.73	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.98	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.89	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.69	1.484	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 17:34	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.89	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
78-93-3	2-Butanone	2.2		ug/m ³	0.44	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	1.2	1.484	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 17:34	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	2.3	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ



Sample Information

Client Sample ID: NP4-3

York Sample ID: 20D0480-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0480

31401451.000 Task 01.00 Rowe Industries

Vapor Extraction

April 16, 2020 9:40 am

04/17/2020

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	0.79		ug/m ³	0.61	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
67-64-1	Acetone	29		ug/m ³	0.71	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.32	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
71-43-2	Benzene	0.62		ug/m ³	0.47	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.77	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.99	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.5	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.58	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.46	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
56-23-5	Carbon tetrachloride	0.75		ug/m ³	0.23	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.68	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.39	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.72	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
74-87-3	Chloromethane	1.5		ug/m ³	0.31	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
156-59-2	cis-1,2-Dichloroethylene	1.4		ug/m ³	0.15	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.67	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.51	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	0.73	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
141-78-6	* Ethyl acetate	2.4		ug/m ³	1.1	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
100-41-4	Ethyl Benzene	1.1		ug/m ³	0.64	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.6	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
67-63-0	Isopropanol	60		ug/m ³	0.73	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ



Sample Information

Client Sample ID: NP4-3

York Sample ID: 20D0480-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

20D0480

31401451.000 Task 01.00 Rowe Industries

Vapor Extraction

April 16, 2020 9:40 am

04/17/2020

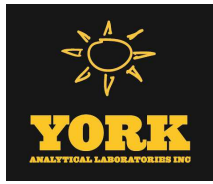
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	26		ug/m ³	0.61	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.54	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	1.0	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.61	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
110-54-3	n-Hexane	1.0		ug/m ³	0.52	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
95-47-6	o-Xylene	0.90		ug/m ³	0.64	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
179601-23-1	p- & m- Xylenes	3.5		ug/m ³	1.3	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.73	1.484	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 17:34	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.26	1.484	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 17:34	LLJ
100-42-5	Styrene	0.95		ug/m ³	0.63	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
127-18-4	Tetrachloroethylene	2.1		ug/m ³	1.0	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.88	1.484	EPA TO-15 Certifications:	04/22/2020 16:00	04/23/2020 17:34	LLJ
108-88-3	Toluene	5.0		ug/m ³	0.56	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.59	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.67	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
79-01-6	Trichloroethylene	0.24		ug/m ³	0.20	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.8		ug/m ³	0.83	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.52	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.65	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.19	1.484	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	04/22/2020 16:00	04/23/2020 17:34	LLJ
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %		70-130						



Analytical Batch Summary

Batch ID: BD00924

Preparation Method: EPA TO15 PREP

Prepared By: AS

YORK Sample ID	Client Sample ID	Preparation Date
20D0480-01	NP4-1	04/22/20
20D0480-02	NP4-3	04/22/20
BD00924-BLK1	Blank	04/22/20
BD00924-BS1	LCS	04/22/20



Volatile Organic Compounds in Air 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 BD00924 - EPA TO15 PREP

Blank (BD00924-BLK1)

Prepared & Analyzed: 04/22/2020

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								



Volatile Organic Compounds in Air 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 BD00924 - EPA TO15 PREP

Blank (BD00924-BLK1)

Prepared & Analyzed: 04/22/2020

n-Heptane	ND	0.41	ug/m ³								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.06</i>		<i>ppbv</i>	<i>10.0</i>		<i>90.6</i>	<i>70-130</i>				

LCS (BD00924-BS1)

Prepared & Analyzed: 04/22/2020

1,1,1,2-Tetrachloroethane	9.97		ppbv	10.0		99.7	70-130				
1,1,1-Trichloroethane	10.3		"	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	10.1		"	10.0		101	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.4		"	10.0		104	70-130				
1,1,2-Trichloroethane	10.1		"	10.0		101	70-130				
1,1-Dichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethylene	10.4		"	10.0		104	70-130				
1,2,4-Trichlorobenzene	7.56		"	10.0		75.6	70-130				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	70-130				
1,2-Dibromoethane	10.2		"	10.0		102	70-130				
1,2-Dichlorobenzene	10.9		"	10.0		109	70-130				
1,2-Dichloroethane	10.3		"	10.0		103	70-130				
1,2-Dichloropropane	9.79		"	10.0		97.9	70-130				
1,2-Dichlorotetrafluoroethane	9.98		"	10.0		99.8	70-130				
1,3,5-Trimethylbenzene	9.99		"	10.0		99.9	70-130				
1,3-Butadiene	9.37		"	10.0		93.7	70-130				
1,3-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,3-Dichloropropane	9.80		"	10.0		98.0	70-130				
1,4-Dichlorobenzene	11.2		"	10.0		112	70-130				
1,4-Dioxane	9.75		"	10.0		97.5	70-130				
2-Butanone	10.2		"	10.0		102	70-130				
2-Hexanone	10.4		"	10.0		104	70-130				
3-Chloropropene	10.1		"	10.0		101	70-130				
4-Methyl-2-pentanone	10.2		"	10.0		102	70-130				
Acetone	9.56		"	10.0		95.6	70-130				
Acrylonitrile	10.6		"	10.0		106	70-130				
Benzene	10.0		"	10.0		100	70-130				
Benzyl chloride	8.82		"	10.0		88.2	70-130				
Bromodichloromethane	10.0		"	10.0		100	70-130				
Bromoform	10.6		"	10.0		106	70-130				



Volatile Organic Compounds in Air by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

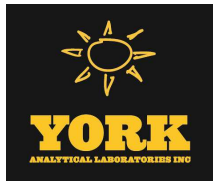
Analyte	Result	Reporting	Units	Spike	Source*	%REC	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit			Result					Limit			

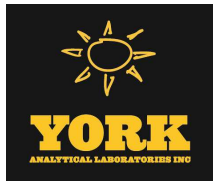
Batch BD00924 - EPA TO15 PREP

LCS (BD00924-BS1)

Prepared & Analyzed: 04/22/2020

Bromomethane	10.1		ppbv	10.0		101	70-130						
Carbon disulfide	10.6		"	10.0		106	70-130						
Carbon tetrachloride	10.8		"	10.0		108	70-130						
Chlorobenzene	9.87		"	10.0		98.7	70-130						
Chloroethane	10.6		"	10.0		106	70-130						
Chloroform	10.3		"	10.0		103	70-130						
Chloromethane	7.96		"	10.0		79.6	70-130						
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130						
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130						
Cyclohexane	10.5		"	10.0		105	70-130						
Dibromochloromethane	10.4		"	10.0		104	70-130						
Dichlorodifluoromethane	11.6		"	10.0		116	70-130						
Ethyl acetate	12.4		"	10.0		124	70-130						
Ethyl Benzene	9.38		"	10.0		93.8	70-130						
Hexachlorobutadiene	10.7		"	10.0		107	70-130						
Isopropanol	10.0		"	10.0		100	70-130						
Methyl Methacrylate	9.76		"	10.0		97.6	70-130						
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	70-130						
Methylene chloride	9.26		"	10.0		92.6	70-130						
n-Heptane	10.2		"	10.0		102	70-130						
n-Hexane	10.5		"	10.0		105	70-130						
o-Xylene	9.62		"	10.0		96.2	70-130						
p- & m- Xylenes	19.7		"	20.0		98.4	70-130						
p-Ethyltoluene	10.4		"	10.0		104	70-130						
Propylene	9.72		"	10.0		97.2	70-130						
Styrene	10.4		"	10.0		104	70-130						
Tetrachloroethylene	7.50		"	10.0		75.0	70-130						
Tetrahydrofuran	10.4		"	10.0		104	70-130						
Toluene	9.53		"	10.0		95.3	70-130						
trans-1,2-Dichloroethylene	10.8		"	10.0		108	70-130						
trans-1,3-Dichloropropylene	10.3		"	10.0		103	70-130						
Trichloroethylene	10.2		"	10.0		102	70-130						
Trichlorofluoromethane (Freon 11)	10.0		"	10.0		100	70-130						
Vinyl acetate	8.43		"	10.0		84.3	70-130						
Vinyl bromide	10.1		"	10.0		101	70-130						
Vinyl Chloride	7.54		"	10.0		75.4	70-130						
Surrogate: SURR: p-Bromofluorobenzene	9.90		"	10.0		99.0	70-130						





Sample and Data Qualifiers Relating to This Work Order

TO-VAC The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.

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

YORK
ANALYTICAL LABORATORIES INC.

clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No.
3500480
20200464

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. signature binds you to YORK's Standard Terms & Conditions.

Your Page 1 of 1

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

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

Air Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
AI - Indoor Ambient Air	New York	<u>Summary Report</u>	CT RCP	<u>Standard Excel EDD</u>	Compared to the following Regulation(s): (please fill in)
AO - Outdoor Amb. Air	New Jersey	<u>QA Report</u>	CT RCP DQA/DUE	EQuIS (Standard)	
AE - Vapor Extraction Well/ Process Gas/Effluent	Connecticut	NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQuIS	
AS - Soil Vapor/Sub-Slab	Pennsylvania	<u>NY ASP B Package</u>	NJDKQP	NJDEP SRP HazSite	
		Other:			

Signature: *Scott Philbrick*
Samples Collected by: (print your name above and sign below)
Scott Philbrick

Certified Canisters: Batch ___ Individual ___		Please enter the following REQUIRED Field Data					Reporting Units: ug/m ³ ___ ppbv ___ ppmv ___	
Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested	
NP4-1	4-16-20 9:30	AE	-30	-5.0	23999		TO-15	
NP4-3	4-16-20 9:40	AE	-30	-5.0	28304		TO-15	

Comments:	Detection Limits Required		Sampling Media	
	≤ 1 ug/m ³ ___	NYSDEC V1 Limits ___	6 Liter Canister	
	Routine Survey ___	Other ___	Tedlar Bag	

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
<i>WSP</i>	4-16-20 15:00	<i>TC Philbrick / YORK</i>	4/16/20 15:10	<i>TC Philbrick / YORK</i>	4/16/20 18:35
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
<i>E. Sklar</i>	4/16/20	<i>Lab Secure</i>			
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				<i>[Signature]</i>	4/17/20 @ 1000