

TABLE 2

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

Effluent Water Quality Results

Date Sampled ^{2/}	pH ^{1/}	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis- 1,2-DCE (ug/l)	trans- 1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl- benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	6.5 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
5-Apr-16	6.5	134	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.21	0.070
19-Apr-16	6.5	86	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.82	0.190
2-May-16	6.5	149	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	11.0	0.092
17-May-16	6.6	167	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.89	0.037
7-Jun-16	6.5	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.24	0.095
23-Jun-16	6.5	158	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.72	0.034
7-Jul-16 ^{3/}	6.6	NA	1.3	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.35	ND<0.02
19-Jul-16	6.5	155	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.45	0.147
2-Aug-16	6.6	128	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.63	0.263
16-Aug-16	6.5	148	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.64	0.207
1-Sep-16	6.5	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.65	0.044
16-Sep-16	6.5	146	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.92	0.336
17-Oct-16 ^{4/}	6.5	141	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.27	0.455
1-Nov-16	6.5	224	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.50	0.100
1-Dec-16	6.5	191	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.17	0.042
3-Jan-17	6.5	123	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.24	0.030
1-Feb-17	6.5	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.6	ND<0.5	ND<0.5	ND<3	ND<0.5	ND<0.5	ND<0.5	2.17	0.051
1-Mar-17	6.5	149	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.6	ND<0.5	ND<0.5	ND<3	ND<0.5	ND<0.5	ND<0.5	0.69	0.063

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

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

1,1,1-TCA: 1,1,1-Trichloroethane

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

cis-1,2-DCE: cis-1,2-Dichloroethene

trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5.

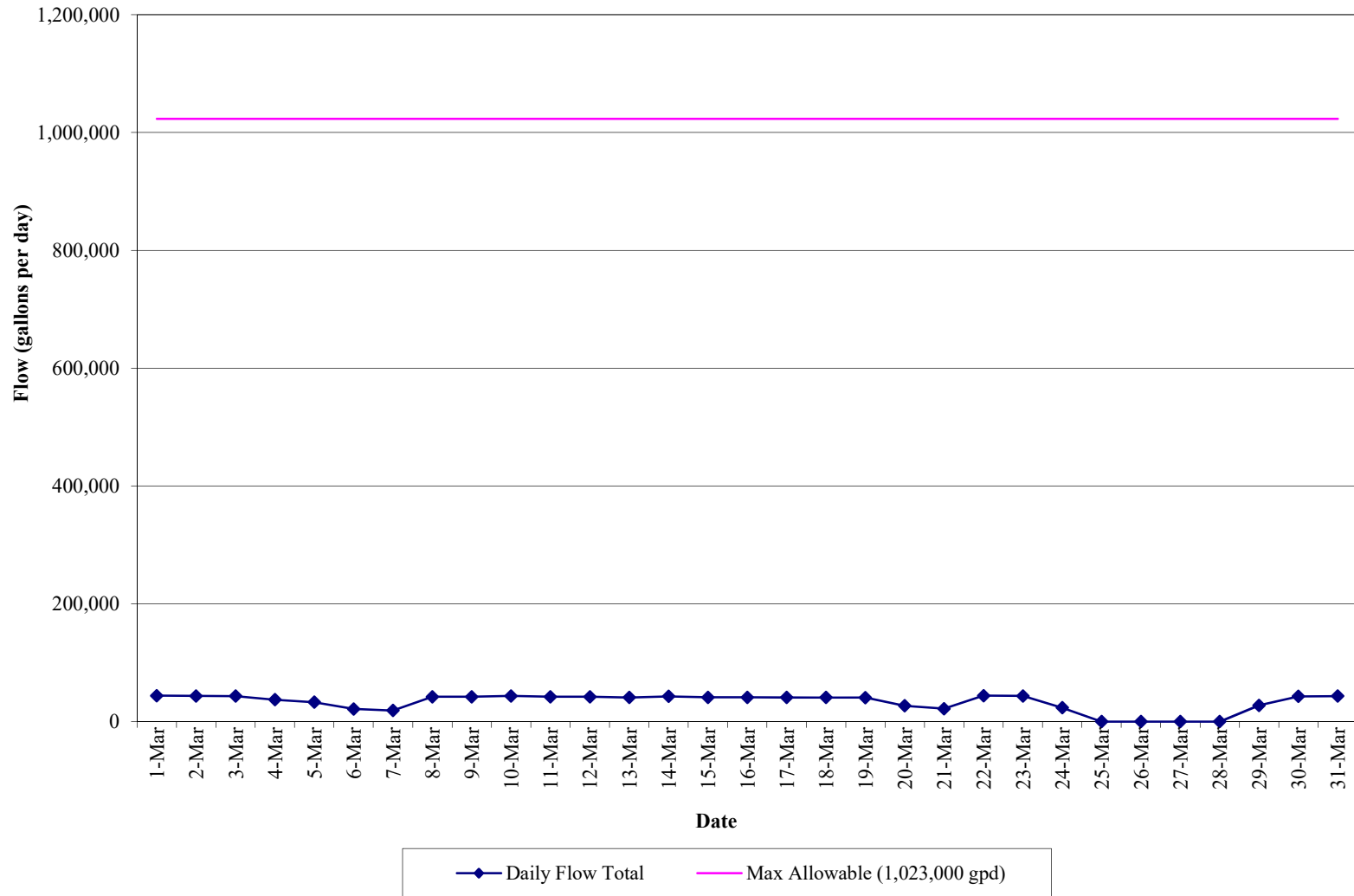
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

3. LBG suspects the PCE and TCE detections from the water sample collected from the effluent sample port (NP2-10) on July 7, 2016, were most likely caused by: a) reversing the sample label on the influent and effluent laboratory bottles; or b) a mis labeling of the results by the laboratory, because the "ND" (non-detect below the laboratory reporting limit) results for PCE and TCE are typically observed in the effluent water sample and low concentrations of these compounds are normally observed in the influent water sample. The reverse was true for the July 7, 2016 sampling event.

4. Starting in October 2016, FSP&T system samples will be collected monthly instead of once every two weeks.

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

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



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



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 03/10/2017

Client Project ID: Rowe Industries.

York Project (SDG) No.: 17C0219

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/10/2017
Client Project ID: Rowe Industries.
York Project (SDG) No.: 17C0219

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 06, 2017 and listed below. The project was identified as your project: **Rowe Industries..**

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes 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 attachment to 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>
17C0219-01	WQ030117:1200 NP2-6	Water	03/01/2017	03/06/2017
17C0221-01	WQ030117:1205 NP2-10	Water	03/01/2017	03/06/2017

General Notes for York Project (SDG) No.: 17C0219

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. 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: 03/10/2017





Sample Information

Client Sample ID: WQ030117:1200 NP2-6

York Sample ID: 17C0219-01

York Project (SDG) No.

17C0219

Client Project ID

Rowe Industries.

Matrix

Water

Collection Date/Time

March 1, 2017 12:00 pm

Date Received

03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK



Sample Information

Client Sample ID: WQ030117:1200 NP2-6

York Sample ID: 17C0219-01

York Project (SDG) No.
17C0219

Client Project ID
Rowe Industries.

Matrix
Water

Collection Date/Time
March 1, 2017 12:00 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
156-59-2	cis-1,2-Dichloroethylene	0.71		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK



Sample Information

Client Sample ID: WQ030117:1200 NP2-6

York Sample ID: 17C0219-01

York Project (SDG) No.
17C0219

Client Project ID
Rowe Industries.

Matrix
Water

Collection Date/Time
March 1, 2017 12:00 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 02:16	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 02:16	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
127-18-4	Tetrachloroethylene	4.4	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
79-01-6	Trichloroethylene	0.60		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	03/09/2017 15:14	03/10/2017 02:16	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	84.9 %	69-130								
2037-26-5	Surrogate: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: WQ030117:1205 NP2-10

York Sample ID: 17C0221-01

York Project (SDG) No.
17C0221

Client Project ID
Rowe Industries.

Matrix
Water

Collection Date/Time
March 1, 2017 12:05 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK



Sample Information

Client Sample ID: WQ030117:1205 NP2-10

York Sample ID: 17C0221-01

York Project (SDG) No.
17C0221

Client Project ID
Rowe Industries.

Matrix
Water

Collection Date/Time
March 1, 2017 12:05 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:50	BK



Sample Information

Client Sample ID: WQ030117:1205 NP2-10

York Sample ID: 17C0221-01

York Project (SDG) No.
17C0221

Client Project ID
Rowe Industries.

Matrix
Water

Collection Date/Time
March 1, 2017 12:05 pm

Date Received
03/06/2017

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.691		mg/L	0.0162	0.0222	1	EPA 200.7	03/07/2017 08:54	03/07/2017 14:03	KV
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0633		mg/L	0.0222	0.0222	1	EPA 6010C	03/08/2017 12:00	03/08/2017 14:41	KV
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP											

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	149		mg/L	10.0	10.0	1	SM 2540C	03/07/2017 14:34	03/08/2017 13:55	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP											



Analytical Batch Summary

Batch ID: BC70287 **Preparation Method:** EPA 200.7 **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
17C0221-01	WQ030117:1205 NP2-10	03/07/17
BC70287-BLK1	Blank	03/07/17
BC70287-SRM1	Reference	03/07/17

Batch ID: BC70319 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
17C0221-01	WQ030117:1205 NP2-10	03/07/17
BC70319-BLK1	Blank	03/07/17
BC70319-DUP2	Duplicate	03/07/17

Batch ID: BC70373 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
17C0221-01	WQ030117:1205 NP2-10	03/08/17
BC70373-BLK1	Blank	03/08/17
BC70373-SRM1	Reference	03/08/17

Batch ID: BC70453 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17C0219-01	WQ030117:1200 NP2-6	03/09/17
17C0221-01	WQ030117:1205 NP2-10	03/09/17
BC70453-BLK1	Blank	03/09/17
BC70453-BS1	LCS	03/09/17
BC70453-BSD1	LCS Dup	03/09/17



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

Blank (BC70453-BLK1)

Prepared & Analyzed: 03/09/2017

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC70453 - EPA 5030B											
Blank (BC70453-BLK1)										Prepared & Analyzed: 03/09/2017	
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.90</i>		<i>"</i>	<i>10.0</i>		<i>89.0</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>79-122</i>				
LCS (BC70453-BS1)										Prepared & Analyzed: 03/09/2017	
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82-126				
1,1,1-Trichloroethane	9.19		"	10.0		91.9	78-136				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.94		"	10.0		99.4	54-165				
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123				
1,1-Dichloroethane	9.93		"	10.0		99.3	82-129				
1,1-Dichloroethylene	9.49		"	10.0		94.9	68-138				
1,1-Dichloropropylene	9.85		"	10.0		98.5	83-133				
1,2,3-Trichlorobenzene	12.5		"	10.0		125	76-136				
1,2,3-Trichloropropane	10.7		"	10.0		107	77-128				
1,2,4-Trichlorobenzene	11.8		"	10.0		118	76-137				
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147				
1,2-Dibromoethane	10.5		"	10.0		105	83-124				
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123				
1,2-Dichloroethane	8.44		"	10.0		84.4	73-132				
1,2-Dichloropropane	11.2		"	10.0		112	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122				
1,3-Dichloropropane	10.4		"	10.0		104	81-125				
1,4-Dichlorobenzene	11.3		"	10.0		113	85-124				
2,2-Dichloropropane	7.31		"	10.0		73.1	56-150				
2-Chlorotoluene	11.0		"	10.0		110	79-130				
2-Hexanone	10.2		"	10.0		102	51-146				
4-Chlorotoluene	10.5		"	10.0		105	79-128				
Acetone	7.66		"	10.0		76.6	14-150				
Benzene	10.0		"	10.0		100	85-126				
Bromobenzene	10.8		"	10.0		108	78-129				
Bromochloromethane	10.3		"	10.0		103	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				
Bromoform	11.1		"	10.0		111	78-133				
Bromomethane	5.02		"	10.0		50.2	43-168				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

LCS (BC70453-BS1)

Prepared & Analyzed: 03/09/2017

Carbon tetrachloride	9.32		ug/L	10.0		93.2	77-141				
Chlorobenzene	10.8		"	10.0		108	88-120				
Chloroethane	8.34		"	10.0		83.4	65-136				
Chloroform	9.61		"	10.0		96.1	82-128				
Chloromethane	5.13		"	10.0		51.3	43-155				
cis-1,2-Dichloroethylene	10.9		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	9.68		"	10.0		96.8	44-144				
Ethyl Benzene	10.4		"	10.0		104	80-131				
Hexachlorobutadiene	11.8		"	10.0		118	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6	76-135				
Methylene chloride	9.41		"	10.0		94.1	55-137				
Naphthalene	12.1		"	10.0		121	70-147				
n-Butylbenzene	10.7		"	10.0		107	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	20.2		"	20.0		101	77-133				
p-Isopropyltoluene	11.1		"	10.0		111	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	11.7		"	10.0		117	77-138				
Tetrachloroethylene	13.5		"	10.0		135	82-131	High Bias			
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	9.87		"	10.0		98.7	80-132				
trans-1,3-Dichloropropylene	9.76		"	10.0		97.6	78-131				
Trichloroethylene	10.8		"	10.0		108	82-128				
Trichlorofluoromethane	8.91		"	10.0		89.1	67-139				
Vinyl Chloride	9.24		"	10.0		92.4	58-145				
Surrogate: 1,2-Dichloroethane-d4	8.94		"	10.0		89.4	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	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 BC70453 - EPA 5030B											
LCS Dup (BC70453-BSD1)						Prepared & Analyzed: 03/09/2017					
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	82-126		3.36	30	
1,1,1-Trichloroethane	9.57		"	10.0		95.7	78-136		4.05	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	76-129		2.59	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		1.10	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		0.185	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		4.33	30	
1,1-Dichloroethylene	9.85		"	10.0		98.5	68-138		3.72	30	
1,1-Dichloropropylene	10.0		"	10.0		100	83-133		1.91	30	
1,2,3-Trichlorobenzene	13.6		"	10.0		136	76-136		8.42	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128		3.84	30	
1,2,4-Trichlorobenzene	12.2		"	10.0		122	76-137		3.08	30	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		1.66	30	
1,2-Dibromo-3-chloropropane	11.1		"	10.0		111	45-147		3.21	30	
1,2-Dibromoethane	11.0		"	10.0		110	83-124		4.28	30	
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123		0.179	30	
1,2-Dichloroethane	9.06		"	10.0		90.6	73-132		7.09	30	
1,2-Dichloropropane	11.4		"	10.0		114	78-126		2.48	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		1.95	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122		3.12	30	
1,3-Dichloropropane	10.6		"	10.0		106	81-125		2.00	30	
1,4-Dichlorobenzene	11.2		"	10.0		112	85-124		0.623	30	
2,2-Dichloropropane	7.37		"	10.0		73.7	56-150		0.817	30	
2-Chlorotoluene	10.8		"	10.0		108	79-130		1.38	30	
2-Hexanone	10.8		"	10.0		108	51-146		5.83	30	
4-Chlorotoluene	10.4		"	10.0		104	79-128		0.382	30	
Acetone	8.23		"	10.0		82.3	14-150		7.17	30	
Benzene	10.4		"	10.0		104	85-126		4.11	30	
Bromobenzene	10.6		"	10.0		106	78-129		1.03	30	
Bromochloromethane	10.5		"	10.0		105	77-128		1.35	30	
Bromodichloromethane	10.6		"	10.0		106	79-128		0.377	30	
Bromoform	11.6		"	10.0		116	78-133		4.50	30	
Bromomethane	5.65		"	10.0		56.5	43-168		11.8	30	
Carbon tetrachloride	9.31		"	10.0		93.1	77-141		0.107	30	
Chlorobenzene	11.0		"	10.0		110	88-120		1.74	30	
Chloroethane	8.36		"	10.0		83.6	65-136		0.240	30	
Chloroform	10.0		"	10.0		100	82-128		4.48	30	
Chloromethane	6.39		"	10.0		63.9	43-155		21.9	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		1.19	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		0.481	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		3.55	30	
Dibromomethane	10.6		"	10.0		106	72-134		3.55	30	
Dichlorodifluoromethane	9.68		"	10.0		96.8	44-144		0.00	30	
Ethyl Benzene	10.4		"	10.0		104	80-131		0.384	30	
Hexachlorobutadiene	12.3		"	10.0		123	67-146		3.90	30	
Isopropylbenzene	10.7		"	10.0		107	76-140		2.66	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135		6.64	30	
Methylene chloride	9.91		"	10.0		99.1	55-137		5.18	30	
Naphthalene	13.3		"	10.0		133	70-147		8.98	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		2.74	30	
n-Propylbenzene	10.7		"	10.0		107	78-133		1.57	30	
o-Xylene	10.6		"	10.0		106	78-130		1.24	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

LCS Dup (BC70453-BSD1)

Prepared & Analyzed: 03/09/2017

p- & m- Xylenes	20.2		ug/L	20.0		101	77-133		0.396	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		2.28	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		0.923	30	
Styrene	11.2		"	10.0		112	67-132		2.80	30	
tert-Butylbenzene	11.5		"	10.0		115	77-138		2.07	30	
Tetrachloroethylene	11.9		"	10.0		119	82-131		13.0	30	
Toluene	10.6		"	10.0		106	80-127		0.377	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		3.19	30	
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	78-131		1.73	30	
Trichloroethylene	11.0		"	10.0		110	82-128		1.28	30	
Trichlorofluoromethane	8.82		"	10.0		88.2	67-139		1.02	30	
Vinyl Chloride	9.37		"	10.0		93.7	58-145		1.40	30	
Surrogate: 1,2-Dichloroethane-d4	9.25		"	10.0		92.5	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70287 - EPA 200.7

Blank (BC70287-BLK1)

Prepared & Analyzed: 03/07/2017

Iron	ND	0.0200	mg/L
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Reference (BC70287-SRM1)

Prepared & Analyzed: 03/07/2017

Iron	0.849		ug/mL	0.759	112	84.9-115
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Batch BC70373 - EPA 3015A

Blank (BC70373-BLK1)

Prepared & Analyzed: 03/08/2017

Iron - Dissolved	ND	0.0200	mg/L
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Reference (BC70373-SRM1)

Prepared & Analyzed: 03/08/2017

Iron - Dissolved	0.733		ug/mL	0.759	96.5	84.9-115
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Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70319 - % Solids Prep

Blank (BC70319-BLK1)

Prepared: 03/07/2017 Analyzed: 03/08/2017

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BC70319-DUP2)

*Source sample: 17C0221-01 (WQ030117:1205 NP2-10)

Prepared: 03/07/2017 Analyzed: 03/08/2017

Total Dissolved Solids 156 10.0 mg/L 149 4.59 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17C0219-01	WQ030117:1200 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17C0221-01	WQ030117:1205 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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).
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

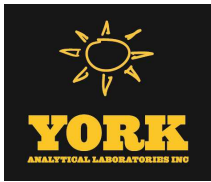
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 325-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

Page 1 of 1

York Project No. 17C0219

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type	
Company: <u>LBG</u>	Address: <u>4 Research Dr. Suite 301</u>	Company: <u>Same</u>	Address: <u>Same</u>	Company: <u>Same</u>	Address: <u>Same</u>	<u>APWC Industries</u>		☐ RUSH - Same Day	☐ RUSH - Next Day	☒ Summary Report <u>X, pdf</u>	☐ Summary w/ QA Summary <u>X, pdf</u>
Phone No. <u>203-929-8555</u>	Attention: <u>Tunde Sandoz</u>	Phone No. <u></u>	Attention: <u></u>	Phone No. <u></u>	Attention: <u></u>	<u>Purchase Order No. NAB5A6</u>		☐ RUSH - Two Day	☐ RUSH - Three Day	☐ CT RCP Package	☐ CT RCP Package
E-Mail Address: <u>TSandoz@LBGCT.com</u>		E-Mail Address: <u></u>		E-Mail Address: <u></u>				☐ RUSH - Four Day	☐ Standard (5-7 Days) ☒	☐ NY ASP A Package	☐ NY ASP B Package <u>NB2-10 only</u>

Print Clearly and Legibly. All Information must be completed. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

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

Samples Collected/Authorized By (Signature)
Evan Foster
Name (printed)

Volatiles	Semi-Volatiles	Metals	Misc. Org.
8260 full	8270 or 8281	TPH GRO	TPH GRO
624	8081Pest	TPH DRO	TPH DRO
STARS list	8081Pest	CT ETPH	CT ETPH
Nissan Co.	815 Herb	NY 310-13	NY 310-13
STEX	Acids Only	TPH 1664	TPH 1664
MTBE	PAH list	Air TO14A	Air TO14A
TCL list	Site Spec.	Air TO15	Air TO15
TAGM list	CT RCP list	Disolved	Disolved
CT RCP list	502.2	TPH Herb	TPH Herb
Aroclor only	502.2	Chloridane	Chloridane
Halog. only	NIDEP list	App. IX	App. IX
SETP list	SETP list	608 Pest	608 Pest
8021B list	SETP list	SETP list	SETP list

Choose Analyses Needed from the Menu Above and Enter Below	
Sample Identification	Date Sampled

<u>WQ030117-1205 NP2-6</u>	<u>3-1-17</u>
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<u>WQ030117-1205 NP2-10</u>	<u>3-1-17</u>
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Fe by EPA 800.71/F, Dissolved by EPA 6010 (SW 846-8010B) / VOCs

P260 List (EPA SW 846-8260A) plus from #13 / TDS (SH 2540C)

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

300g, 3 plastic

Comments

Preservation

Check those Applicable

Special

Instructions

Field Filled ☐

Lab to Filter ☐

4°C / Frozen

HCl

MeOH

Ascorbic Acid

Other

HNO₃

H₂SO₄

NaOH

Temperature on Receipt

2.6 °C

3/2/17 800

3/2/17 800

3/2/17 800

3/2/17 800

3/2/17 800

3/2/17 800

Samples Relinquished By

3/2/17 800

3/2/17 800

3/2/17 800

3/2/17 800

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



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 03/10/2017

Client Project ID: Rowe Industries

York Project (SDG) No.: 17C0218

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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ClientServices@yorklab.com

Report Date: 03/10/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17C0218

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 06, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes 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 attachment to 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>
17C0218-01	WQ030117:1220NP1-1-2	Water	03/01/2017	03/06/2017

General Notes for York Project (SDG) No.: 17C0218

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. 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: 03/10/2017





Sample Information

Client Sample ID: WQ030117:1220NP1-1-2

York Sample ID: 17C0218-01

York Project (SDG) No.

17C0218

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

March 1, 2017 12:20 pm

Date Received

03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK



Sample Information

Client Sample ID: WQ030117:1220NP1-1-2

York Sample ID: 17C0218-01

York Project (SDG) No.
17C0218

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:20 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK



Sample Information

Client Sample ID: WQ030117:1220NP1-1-2

York Sample ID: 17C0218-01

York Project (SDG) No.
17C0218

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:20 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 01:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 01:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
127-18-4	Tetrachloroethylene	0.28	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
79-01-6	Trichloroethylene	0.47	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	03/09/2017 15:14	03/10/2017 01:47	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	86.2 %	69-130								
2037-26-5	Surrogate: Toluene-d8	104 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.0 %	79-122								



Analytical Batch Summary

Batch ID: BC70453

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
17C0218-01	WQ030117:1220NP1-1-2	03/09/17
BC70453-BLK1	Blank	03/09/17
BC70453-BS1	LCS	03/09/17
BC70453-BSD1	LCS Dup	03/09/17



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

Blank (BC70453-BLK1)

Prepared & Analyzed: 03/09/2017

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

Blank (BC70453-BLK1)

Prepared & Analyzed: 03/09/2017

o-Xylene	ND	0.50	ug/L
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4 8.90 " 10.0 89.0 69-130

Surrogate: Toluene-d8 10.1 " 10.0 101 81-117

Surrogate: p-Bromofluorobenzene 10.0 " 10.0 100 79-122

LCS (BC70453-BS1)

Prepared & Analyzed: 03/09/2017

1,1,1,2-Tetrachloroethane	11.1	ug/L	10.0	111	82-126
1,1,1-Trichloroethane	9.19	"	10.0	91.9	78-136
1,1,2,2-Tetrachloroethane	11.0	"	10.0	110	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.94	"	10.0	99.4	54-165
1,1,2-Trichloroethane	10.8	"	10.0	108	82-123
1,1-Dichloroethane	9.93	"	10.0	99.3	82-129
1,1-Dichloroethylene	9.49	"	10.0	94.9	68-138
1,1-Dichloropropylene	9.85	"	10.0	98.5	83-133
1,2,3-Trichlorobenzene	12.5	"	10.0	125	76-136
1,2,3-Trichloropropane	10.7	"	10.0	107	77-128
1,2,4-Trichlorobenzene	11.8	"	10.0	118	76-137
1,2,4-Trimethylbenzene	10.9	"	10.0	109	82-132
1,2-Dibromo-3-chloropropane	10.7	"	10.0	107	45-147
1,2-Dibromoethane	10.5	"	10.0	105	83-124
1,2-Dichlorobenzene	11.2	"	10.0	112	79-123
1,2-Dichloroethane	8.44	"	10.0	84.4	73-132
1,2-Dichloropropane	11.2	"	10.0	112	78-126
1,3,5-Trimethylbenzene	10.9	"	10.0	109	80-131
1,3-Dichlorobenzene	11.4	"	10.0	114	86-122
1,3-Dichloropropane	10.4	"	10.0	104	81-125
1,4-Dichlorobenzene	11.3	"	10.0	113	85-124
2,2-Dichloropropane	7.31	"	10.0	73.1	56-150
2-Chlorotoluene	11.0	"	10.0	110	79-130
2-Hexanone	10.2	"	10.0	102	51-146
4-Chlorotoluene	10.5	"	10.0	105	79-128
Acetone	7.66	"	10.0	76.6	14-150
Benzene	10.0	"	10.0	100	85-126
Bromobenzene	10.8	"	10.0	108	78-129
Bromochloromethane	10.3	"	10.0	103	77-128
Bromodichloromethane	10.6	"	10.0	106	79-128
Bromoform	11.1	"	10.0	111	78-133
Bromomethane	5.02	"	10.0	50.2	43-168



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

LCS (BC70453-BS1)

Prepared & Analyzed: 03/09/2017

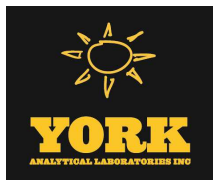
Carbon tetrachloride	9.32		ug/L	10.0		93.2	77-141				
Chlorobenzene	10.8		"	10.0		108	88-120				
Chloroethane	8.34		"	10.0		83.4	65-136				
Chloroform	9.61		"	10.0		96.1	82-128				
Chloromethane	5.13		"	10.0		51.3	43-155				
cis-1,2-Dichloroethylene	10.9		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	9.68		"	10.0		96.8	44-144				
Ethyl Benzene	10.4		"	10.0		104	80-131				
Hexachlorobutadiene	11.8		"	10.0		118	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6	76-135				
Methylene chloride	9.41		"	10.0		94.1	55-137				
Naphthalene	12.1		"	10.0		121	70-147				
n-Butylbenzene	10.7		"	10.0		107	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	20.2		"	20.0		101	77-133				
p-Isopropyltoluene	11.1		"	10.0		111	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	11.7		"	10.0		117	77-138				
Tetrachloroethylene	13.5		"	10.0		135	82-131	High Bias			
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	9.87		"	10.0		98.7	80-132				
trans-1,3-Dichloropropylene	9.76		"	10.0		97.6	78-131				
Trichloroethylene	10.8		"	10.0		108	82-128				
Trichlorofluoromethane	8.91		"	10.0		89.1	67-139				
Vinyl Chloride	9.24		"	10.0		92.4	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.94</i>		<i>"</i>	<i>10.0</i>		<i>89.4</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</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 BC70453 - EPA 5030B											
LCS Dup (BC70453-BSD1)						Prepared & Analyzed: 03/09/2017					
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	82-126		3.36	30	
1,1,1-Trichloroethane	9.57		"	10.0		95.7	78-136		4.05	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	76-129		2.59	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		1.10	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		0.185	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		4.33	30	
1,1-Dichloroethylene	9.85		"	10.0		98.5	68-138		3.72	30	
1,1-Dichloropropylene	10.0		"	10.0		100	83-133		1.91	30	
1,2,3-Trichlorobenzene	13.6		"	10.0		136	76-136		8.42	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128		3.84	30	
1,2,4-Trichlorobenzene	12.2		"	10.0		122	76-137		3.08	30	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		1.66	30	
1,2-Dibromo-3-chloropropane	11.1		"	10.0		111	45-147		3.21	30	
1,2-Dibromoethane	11.0		"	10.0		110	83-124		4.28	30	
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123		0.179	30	
1,2-Dichloroethane	9.06		"	10.0		90.6	73-132		7.09	30	
1,2-Dichloropropane	11.4		"	10.0		114	78-126		2.48	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		1.95	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122		3.12	30	
1,3-Dichloropropane	10.6		"	10.0		106	81-125		2.00	30	
1,4-Dichlorobenzene	11.2		"	10.0		112	85-124		0.623	30	
2,2-Dichloropropane	7.37		"	10.0		73.7	56-150		0.817	30	
2-Chlorotoluene	10.8		"	10.0		108	79-130		1.38	30	
2-Hexanone	10.8		"	10.0		108	51-146		5.83	30	
4-Chlorotoluene	10.4		"	10.0		104	79-128		0.382	30	
Acetone	8.23		"	10.0		82.3	14-150		7.17	30	
Benzene	10.4		"	10.0		104	85-126		4.11	30	
Bromobenzene	10.6		"	10.0		106	78-129		1.03	30	
Bromochloromethane	10.5		"	10.0		105	77-128		1.35	30	
Bromodichloromethane	10.6		"	10.0		106	79-128		0.377	30	
Bromoform	11.6		"	10.0		116	78-133		4.50	30	
Bromomethane	5.65		"	10.0		56.5	43-168		11.8	30	
Carbon tetrachloride	9.31		"	10.0		93.1	77-141		0.107	30	
Chlorobenzene	11.0		"	10.0		110	88-120		1.74	30	
Chloroethane	8.36		"	10.0		83.6	65-136		0.240	30	
Chloroform	10.0		"	10.0		100	82-128		4.48	30	
Chloromethane	6.39		"	10.0		63.9	43-155		21.9	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		1.19	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		0.481	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		3.55	30	
Dibromomethane	10.6		"	10.0		106	72-134		3.55	30	
Dichlorodifluoromethane	9.68		"	10.0		96.8	44-144		0.00	30	
Ethyl Benzene	10.4		"	10.0		104	80-131		0.384	30	
Hexachlorobutadiene	12.3		"	10.0		123	67-146		3.90	30	
Isopropylbenzene	10.7		"	10.0		107	76-140		2.66	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135		6.64	30	
Methylene chloride	9.91		"	10.0		99.1	55-137		5.18	30	
Naphthalene	13.3		"	10.0		133	70-147		8.98	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		2.74	30	
n-Propylbenzene	10.7		"	10.0		107	78-133		1.57	30	
o-Xylene	10.6		"	10.0		106	78-130		1.24	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

LCS Dup (BC70453-BSD1)

Prepared & Analyzed: 03/09/2017

p- & m- Xylenes	20.2		ug/L	20.0		101	77-133		0.396	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		2.28	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		0.923	30	
Styrene	11.2		"	10.0		112	67-132		2.80	30	
tert-Butylbenzene	11.5		"	10.0		115	77-138		2.07	30	
Tetrachloroethylene	11.9		"	10.0		119	82-131		13.0	30	
Toluene	10.6		"	10.0		106	80-127		0.377	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		3.19	30	
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	78-131		1.73	30	
Trichloroethylene	11.0		"	10.0		110	82-128		1.28	30	
Trichlorofluoromethane	8.82		"	10.0		88.2	67-139		1.02	30	
Vinyl Chloride	9.37		"	10.0		93.7	58-145		1.40	30	
Surrogate: 1,2-Dichloroethane-d4	9.25		"	10.0		92.5	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17C0218-01	WQ030117:1220NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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).
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

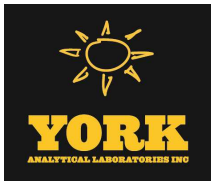
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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



YORK

ANALYTICAL LABORATORIES, INC.

120 RESEARCH DR. STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

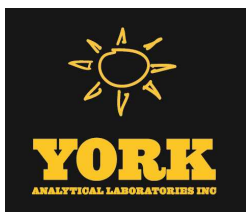
Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 17C0218

YOUR Information Company: <u>LB&E</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sandoz</u> E-Mail Address: <u>TSandoz@LB&E.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>Rowe Industries</u> Purchase Order No. <u>HA85A6</u>		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☒		Report Type Summary Report ☒ <u>pdf</u> Summary w/ QA Summary ☒ <u>pdf</u> CT RCP Package ☐ CT RCP DQ/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☒ <u>pdf</u> NIDEP Red. Deliv. ☐ Electronic Data Deliverables (EDD) ☐ Simple Excel ☒ <u>X</u> NYSDEC EQuIS ☐ EQuIS (std) ☐ EZ-EDD (EQuIS) ☐ NIDEP SRP HazSite EDD ☐ GIS/KEY (std) ☐ Other _____ York Regulatory Comparison ☐ Excel Spreadsheet ☐ Compare to the following Regs. (please fill in): _____			
Matrix Codes S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		Semi-Vols. / Pest. Control 8270 or 625 STARS list BN Only PAH list TAGM list CT RCP list TCLP list NIDEP list App. IX Site Spec. SETP/TCLP TCLP Pest NIDEP Herb App. IX SETP/TCLP BNA 608 Pest SETP/TCLP 608 PCB		Metals RCRA8 PP13 list TAL CT15 list TAGM list NIDEP list Total Dissolved SETP/TCLP Lead/Cadmium JUST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TCS Methane Helium		Full Lists Pri. Poll. TCL Ognas TAL MacCN Full TCLP Full App. IX Part 360-360a Part 360-360b Part 360-360c NYDEC Sewer NYDEC Asbestos TAGM Silica		Misc. Curiosity Reactivity Legibility Flash Point Sieve Anal. Heterotrophs TOX BTJth. Aquatic Tox. TOC Asbestos Silica	
Sample Matrix GW		Choose Analyses Needed from the Menu Above and Enter Below VOC 8260 full list (EPA SW846-8260B) plus from 113		Container Description(s) 3000									
Sample Identification WQ030117-1220NPI-1-2		Date Sampled 3-1-17		Comments Preservation: ☒ 4°C, ☐ Frozen, ☐ HCl, ☐ MeOH, ☐ Ascorbic Acid, ☐ Zn/Ac, ☐ HNO ₃ , ☐ H ₂ SO ₄ , ☐ NaOH Special Instructions: ☐ Field Filtered, ☐ Lab to Filter									
Temperature on Receipt 21.6 °C		Samples Relinquished By [Signature] 3-6-17 13:25		Samples Received by [Signature] 3/6/17 15:09									
Samples Relinquished By [Signature] 3-6-17 13:25		Samples Received in LAB by [Signature] 3/6/17 15:09		Date/Time 3/6/17 15:09									

(RW & FAW)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 03/13/2017

Client Project ID: Rowe Industries

York Project (SDG) No.: 17C0220

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 03/13/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17C0220

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 06, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes 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 attachment to 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>
17C0220-01	WQ030117:1230 FRW-1	Water	03/01/2017	03/06/2017
17C0220-02	WQ030117:1235 FRW-2	Water	03/01/2017	03/06/2017
17C0220-03	WQ030117:1240 FRW-3	Water	03/01/2017	03/06/2017
17C0220-04	WQ030117:1245 FRW-4	Water	03/01/2017	03/06/2017

General Notes for York Project (SDG) No.: 17C0220

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 samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. 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: 03/13/2017





Sample Information

Client Sample ID: WQ030117:1230 FRW-1

York Sample ID: 17C0220-01

York Project (SDG) No.

17C0220

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

March 1, 2017 12:30 pm

Date Received

03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
71-55-6	1,1,1-Trichloroethane	0.82		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK



Sample Information

Client Sample ID: WQ030117:1230 FRW-1

York Sample ID: 17C0220-01

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:30 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
156-59-2	cis-1,2-Dichloroethylene	6.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK



Sample Information

Client Sample ID: WQ030117:1230 FRW-1

York Sample ID: 17C0220-01

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:30 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 02:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 02:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
127-18-4	Tetrachloroethylene	110		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 11:59	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
79-01-6	Trichloroethylene	3.9		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	03/09/2017 15:14	03/10/2017 02:47	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	83.9 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: WQ030117:1235 FRW-2

York Sample ID: 17C0220-02

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:35 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK



Sample Information

Client Sample ID: WQ030117:1235 FRW-2

York Sample ID: 17C0220-02

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:35 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
156-59-2	cis-1,2-Dichloroethylene	0.52		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK



Sample Information

Client Sample ID: WQ030117:1235 FRW-2

York Sample ID: 17C0220-02

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:35 pm

Date Received
03/06/2017

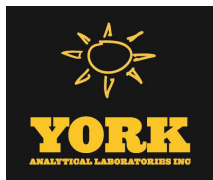
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 03:19	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 03:19	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
127-18-4	Tetrachloroethylene	40	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
79-01-6	Trichloroethylene	1.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	03/09/2017 15:14	03/10/2017 03:19	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	85.6 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								



Sample Information

Client Sample ID: WQ030117:1240 FRW-3

York Sample ID: 17C0220-03

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:40 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK



Sample Information

Client Sample ID: WQ030117:1240 FRW-3

York Sample ID: 17C0220-03

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:40 pm

Date Received
03/06/2017

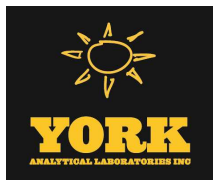
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
74-83-9	Bromomethane	0.36	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
156-59-2	cis-1,2-Dichloroethylene	20		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
98-82-8	Isopropylbenzene	0.99		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK



Sample Information

Client Sample ID: WQ030117:1240 FRW-3

York Sample ID: 17C0220-03

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:40 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
103-65-1	n-Propylbenzene	0.64		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 03:49	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 03:49	BK
99-87-6	p-Isopropyltoluene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
127-18-4	Tetrachloroethylene	50		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 12:30	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
79-01-6	Trichloroethylene	5.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	03/09/2017 15:14	03/10/2017 03:49	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	86.8 %	69-130								
2037-26-5	Surrogate: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								



Sample Information

Client Sample ID: WQ030117:1245 FRW-4

York Sample ID: 17C0220-04

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:45 pm

Date Received
03/06/2017

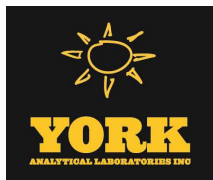
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK



Sample Information

Client Sample ID: WQ030117:1245 FRW-4

York Sample ID: 17C0220-04

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:45 pm

Date Received
03/06/2017

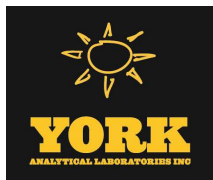
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
156-59-2	cis-1,2-Dichloroethylene	2.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK



Sample Information

Client Sample ID: WQ030117:1245 FRW-4

York Sample ID: 17C0220-04

York Project (SDG) No.
17C0220

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
March 1, 2017 12:45 pm

Date Received
03/06/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 04:19	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	03/09/2017 15:14	03/10/2017 04:19	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
127-18-4	Tetrachloroethylene	4.0	CCV-E	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
79-01-6	Trichloroethylene	0.60		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	03/09/2017 15:14	03/10/2017 04:19	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	83.5 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	106 %	79-122								



Analytical Batch Summary

Batch ID: BC70453

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
17C0220-01	WQ030117:1230 FRW-1	03/09/17
17C0220-02	WQ030117:1235 FRW-2	03/09/17
17C0220-03	WQ030117:1240 FRW-3	03/09/17
17C0220-04	WQ030117:1245 FRW-4	03/09/17
BC70453-BLK1	Blank	03/09/17
BC70453-BS1	LCS	03/09/17
BC70453-BSD1	LCS Dup	03/09/17

Batch ID: BC70485

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
17C0220-01RE1	WQ030117:1230 FRW-1	03/10/17
17C0220-03RE1	WQ030117:1240 FRW-3	03/10/17
BC70485-BLK1	Blank	03/10/17
BC70485-BS1	LCS	03/10/17
BC70485-BSD1	LCS Dup	03/10/17



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC70453 - EPA 5030B											
Blank (BC70453-BLK1)										Prepared & Analyzed: 03/09/2017	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	0.20	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

Blank (BC70453-BLK1)

Prepared & Analyzed: 03/09/2017

o-Xylene	ND	0.50	ug/L
p- & m- Xylenes	ND	1.0	"
p-Isopropyltoluene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
Styrene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"
Xylenes, Total	ND	1.5	"

Surrogate: 1,2-Dichloroethane-d4	8.90	"	10.0	89.0	69-130
Surrogate: Toluene-d8	10.1	"	10.0	101	81-117
Surrogate: p-Bromofluorobenzene	10.0	"	10.0	100	79-122

LCS (BC70453-BS1)

Prepared & Analyzed: 03/09/2017

1,1,1,2-Tetrachloroethane	11.1	ug/L	10.0	111	82-126
1,1,1-Trichloroethane	9.19	"	10.0	91.9	78-136
1,1,2,2-Tetrachloroethane	11.0	"	10.0	110	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.94	"	10.0	99.4	54-165
1,1,2-Trichloroethane	10.8	"	10.0	108	82-123
1,1-Dichloroethane	9.93	"	10.0	99.3	82-129
1,1-Dichloroethylene	9.49	"	10.0	94.9	68-138
1,1-Dichloropropylene	9.85	"	10.0	98.5	83-133
1,2,3-Trichlorobenzene	12.5	"	10.0	125	76-136
1,2,3-Trichloropropane	10.7	"	10.0	107	77-128
1,2,4-Trichlorobenzene	11.8	"	10.0	118	76-137
1,2,4-Trimethylbenzene	10.9	"	10.0	109	82-132
1,2-Dibromo-3-chloropropane	10.7	"	10.0	107	45-147
1,2-Dibromoethane	10.5	"	10.0	105	83-124
1,2-Dichlorobenzene	11.2	"	10.0	112	79-123
1,2-Dichloroethane	8.44	"	10.0	84.4	73-132
1,2-Dichloropropane	11.2	"	10.0	112	78-126
1,3,5-Trimethylbenzene	10.9	"	10.0	109	80-131
1,3-Dichlorobenzene	11.4	"	10.0	114	86-122
1,3-Dichloropropane	10.4	"	10.0	104	81-125
1,4-Dichlorobenzene	11.3	"	10.0	113	85-124
2,2-Dichloropropane	7.31	"	10.0	73.1	56-150
2-Chlorotoluene	11.0	"	10.0	110	79-130
2-Hexanone	10.2	"	10.0	102	51-146
4-Chlorotoluene	10.5	"	10.0	105	79-128
Acetone	7.66	"	10.0	76.6	14-150
Benzene	10.0	"	10.0	100	85-126
Bromobenzene	10.8	"	10.0	108	78-129
Bromochloromethane	10.3	"	10.0	103	77-128
Bromodichloromethane	10.6	"	10.0	106	79-128
Bromoform	11.1	"	10.0	111	78-133
Bromomethane	5.02	"	10.0	50.2	43-168



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

LCS (BC70453-BS1)

Prepared & Analyzed: 03/09/2017

Carbon tetrachloride	9.32		ug/L	10.0		93.2	77-141				
Chlorobenzene	10.8		"	10.0		108	88-120				
Chloroethane	8.34		"	10.0		83.4	65-136				
Chloroform	9.61		"	10.0		96.1	82-128				
Chloromethane	5.13		"	10.0		51.3	43-155				
cis-1,2-Dichloroethylene	10.9		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	9.68		"	10.0		96.8	44-144				
Ethyl Benzene	10.4		"	10.0		104	80-131				
Hexachlorobutadiene	11.8		"	10.0		118	67-146				
Isopropylbenzene	11.0		"	10.0		110	76-140				
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6	76-135				
Methylene chloride	9.41		"	10.0		94.1	55-137				
Naphthalene	12.1		"	10.0		121	70-147				
n-Butylbenzene	10.7		"	10.0		107	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	20.2		"	20.0		101	77-133				
p-Isopropyltoluene	11.1		"	10.0		111	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	10.9		"	10.0		109	67-132				
tert-Butylbenzene	11.7		"	10.0		117	77-138				
Tetrachloroethylene	13.5		"	10.0		135	82-131	High Bias			
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	9.87		"	10.0		98.7	80-132				
trans-1,3-Dichloropropylene	9.76		"	10.0		97.6	78-131				
Trichloroethylene	10.8		"	10.0		108	82-128				
Trichlorofluoromethane	8.91		"	10.0		89.1	67-139				
Vinyl Chloride	9.24		"	10.0		92.4	58-145				
Surrogate: 1,2-Dichloroethane-d4	8.94		"	10.0		89.4	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	10.5		"	10.0		105	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 BC70453 - EPA 5030B											
LCS Dup (BC70453-BSD1)						Prepared & Analyzed: 03/09/2017					
1,1,1,2-Tetrachloroethane	11.5		ug/L	10.0		115	82-126		3.36	30	
1,1,1-Trichloroethane	9.57		"	10.0		95.7	78-136		4.05	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	76-129		2.59	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0		"	10.0		100	54-165		1.10	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		0.185	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		4.33	30	
1,1-Dichloroethylene	9.85		"	10.0		98.5	68-138		3.72	30	
1,1-Dichloropropylene	10.0		"	10.0		100	83-133		1.91	30	
1,2,3-Trichlorobenzene	13.6		"	10.0		136	76-136		8.42	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128		3.84	30	
1,2,4-Trichlorobenzene	12.2		"	10.0		122	76-137		3.08	30	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		1.66	30	
1,2-Dibromo-3-chloropropane	11.1		"	10.0		111	45-147		3.21	30	
1,2-Dibromoethane	11.0		"	10.0		110	83-124		4.28	30	
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123		0.179	30	
1,2-Dichloroethane	9.06		"	10.0		90.6	73-132		7.09	30	
1,2-Dichloropropane	11.4		"	10.0		114	78-126		2.48	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		1.95	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122		3.12	30	
1,3-Dichloropropane	10.6		"	10.0		106	81-125		2.00	30	
1,4-Dichlorobenzene	11.2		"	10.0		112	85-124		0.623	30	
2,2-Dichloropropane	7.37		"	10.0		73.7	56-150		0.817	30	
2-Chlorotoluene	10.8		"	10.0		108	79-130		1.38	30	
2-Hexanone	10.8		"	10.0		108	51-146		5.83	30	
4-Chlorotoluene	10.4		"	10.0		104	79-128		0.382	30	
Acetone	8.23		"	10.0		82.3	14-150		7.17	30	
Benzene	10.4		"	10.0		104	85-126		4.11	30	
Bromobenzene	10.6		"	10.0		106	78-129		1.03	30	
Bromochloromethane	10.5		"	10.0		105	77-128		1.35	30	
Bromodichloromethane	10.6		"	10.0		106	79-128		0.377	30	
Bromoform	11.6		"	10.0		116	78-133		4.50	30	
Bromomethane	5.65		"	10.0		56.5	43-168		11.8	30	
Carbon tetrachloride	9.31		"	10.0		93.1	77-141		0.107	30	
Chlorobenzene	11.0		"	10.0		110	88-120		1.74	30	
Chloroethane	8.36		"	10.0		83.6	65-136		0.240	30	
Chloroform	10.0		"	10.0		100	82-128		4.48	30	
Chloromethane	6.39		"	10.0		63.9	43-155		21.9	30	
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129		1.19	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		0.481	30	
Dibromochloromethane	11.2		"	10.0		112	80-130		3.55	30	
Dibromomethane	10.6		"	10.0		106	72-134		3.55	30	
Dichlorodifluoromethane	9.68		"	10.0		96.8	44-144		0.00	30	
Ethyl Benzene	10.4		"	10.0		104	80-131		0.384	30	
Hexachlorobutadiene	12.3		"	10.0		123	67-146		3.90	30	
Isopropylbenzene	10.7		"	10.0		107	76-140		2.66	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135		6.64	30	
Methylene chloride	9.91		"	10.0		99.1	55-137		5.18	30	
Naphthalene	13.3		"	10.0		133	70-147		8.98	30	
n-Butylbenzene	10.4		"	10.0		104	79-132		2.74	30	
n-Propylbenzene	10.7		"	10.0		107	78-133		1.57	30	
o-Xylene	10.6		"	10.0		106	78-130		1.24	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70453 - EPA 5030B

LCS Dup (BC70453-BSD1)

Prepared & Analyzed: 03/09/2017

p- & m- Xylenes	20.2		ug/L	20.0		101	77-133		0.396	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		2.28	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		0.923	30	
Styrene	11.2		"	10.0		112	67-132		2.80	30	
tert-Butylbenzene	11.5		"	10.0		115	77-138		2.07	30	
Tetrachloroethylene	11.9		"	10.0		119	82-131		13.0	30	
Toluene	10.6		"	10.0		106	80-127		0.377	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		3.19	30	
trans-1,3-Dichloropropylene	9.93		"	10.0		99.3	78-131		1.73	30	
Trichloroethylene	11.0		"	10.0		110	82-128		1.28	30	
Trichlorofluoromethane	8.82		"	10.0		88.2	67-139		1.02	30	
Vinyl Chloride	9.37		"	10.0		93.7	58-145		1.40	30	
Surrogate: 1,2-Dichloroethane-d4	9.25		"	10.0		92.5	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				

Batch BC70485 - EPA 5030B

Blank (BC70485-BLK1)

Prepared & Analyzed: 03/10/2017

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	ND	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	0.34	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70485 - EPA 5030B

Blank (BC70485-BLK1)

Prepared & Analyzed: 03/10/2017

Carbon tetrachloride	ND	0.50	ug/L								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	8.98		"	10.0		89.8	69-130				
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: p-Bromofluorobenzene	9.83		"	10.0		98.3	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 BC70485 - EPA 5030B											
LCS (BC70485-BS1)						Prepared & Analyzed: 03/10/2017					
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	9.32		"	10.0		93.2	78-136				
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165				
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123				
1,1-Dichloroethane	10.0		"	10.0		100	82-129				
1,1-Dichloroethylene	10.0		"	10.0		100	68-138				
1,1-Dichloropropylene	10.1		"	10.0		101	83-133				
1,2,3-Trichlorobenzene	11.7		"	10.0		117	76-136				
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128				
1,2,4-Trichlorobenzene	11.5		"	10.0		115	76-137				
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132				
1,2-Dibromo-3-chloropropane	9.57		"	10.0		95.7	45-147				
1,2-Dibromoethane	10.6		"	10.0		106	83-124				
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123				
1,2-Dichloroethane	8.29		"	10.0		82.9	73-132				
1,2-Dichloropropane	11.2		"	10.0		112	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122				
1,3-Dichloropropane	10.1		"	10.0		101	81-125				
1,4-Dichlorobenzene	11.6		"	10.0		116	85-124				
2,2-Dichloropropane	9.84		"	10.0		98.4	56-150				
2-Chlorotoluene	11.1		"	10.0		111	79-130				
2-Hexanone	10.6		"	10.0		106	51-146				
4-Chlorotoluene	10.6		"	10.0		106	79-128				
Acetone	9.59		"	10.0		95.9	14-150				
Benzene	10.2		"	10.0		102	85-126				
Bromobenzene	10.8		"	10.0		108	78-129				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	11.4		"	10.0		114	78-133				
Bromomethane	7.05		"	10.0		70.5	43-168				
Carbon tetrachloride	9.27		"	10.0		92.7	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	8.39		"	10.0		83.9	65-136				
Chloroform	9.56		"	10.0		95.6	82-128				
Chloromethane	5.30		"	10.0		53.0	43-155				
cis-1,2-Dichloroethylene	10.9		"	10.0		109	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	10.4		"	10.0		104	72-134				
Dichlorodifluoromethane	9.54		"	10.0		95.4	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	11.0		"	10.0		110	67-146				
Isopropylbenzene	11.3		"	10.0		113	76-140				
Methyl tert-butyl ether (MTBE)	9.62		"	10.0		96.2	76-135				
Methylene chloride	9.49		"	10.0		94.9	55-137				
Naphthalene	11.5		"	10.0		115	70-147				
n-Butylbenzene	10.9		"	10.0		109	79-132				
n-Propylbenzene	11.1		"	10.0		111	78-133				
o-Xylene	10.4		"	10.0		104	78-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70485 - EPA 5030B

LCS (BC70485-BS1)

Prepared & Analyzed: 03/10/2017

p- & m- Xylenes	20.7		ug/L	20.0		103	77-133				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.2		"	10.0		112	79-137				
Styrene	11.2		"	10.0		112	67-132				
tert-Butylbenzene	11.0		"	10.0		110	77-138				
Tetrachloroethylene	10.7		"	10.0		107	82-131				
Toluene	10.7		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	9.84		"	10.0		98.4	80-132				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131				
Trichloroethylene	10.9		"	10.0		109	82-128				
Trichlorofluoromethane	9.14		"	10.0		91.4	67-139				
Vinyl Chloride	10.6		"	10.0		106	58-145				
Surrogate: 1,2-Dichloroethane-d4	8.78		"	10.0		87.8	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	79-122				

LCS Dup (BC70485-BS1)

Prepared & Analyzed: 03/10/2017

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		2.03	30	
1,1,1-Trichloroethane	9.36		"	10.0		93.6	78-136		0.428	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		1.06	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.5		"	10.0		105	54-165		3.64	30	
1,1,2-Trichloroethane	10.7		"	10.0		107	82-123		0.558	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		1.88	30	
1,1-Dichloroethylene	10.0		"	10.0		100	68-138		0.00	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		0.296	30	
1,2,3-Trichlorobenzene	13.3		"	10.0		133	76-136		12.6	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128		0.0900	30	
1,2,4-Trichlorobenzene	11.9		"	10.0		119	76-137		3.07	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132		0.0910	30	
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147		5.19	30	
1,2-Dibromoethane	10.7		"	10.0		107	83-124		0.848	30	
1,2-Dichlorobenzene	11.2		"	10.0		112	79-123		2.62	30	
1,2-Dichloroethane	8.36		"	10.0		83.6	73-132		0.841	30	
1,2-Dichloropropane	11.2		"	10.0		112	78-126		0.0891	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		1.49	30	
1,3-Dichlorobenzene	11.3		"	10.0		113	86-122		0.618	30	
1,3-Dichloropropane	10.5		"	10.0		105	81-125		4.46	30	
1,4-Dichlorobenzene	11.3		"	10.0		113	85-124		1.92	30	
2,2-Dichloropropane	9.63		"	10.0		96.3	56-150		2.16	30	
2-Chlorotoluene	10.8		"	10.0		108	79-130		2.10	30	
2-Hexanone	13.2		"	10.0		132	51-146		21.7	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		1.14	30	
Acetone	14.3		"	10.0		143	14-150		39.2	30	Non-dir.
Benzene	10.2		"	10.0		102	85-126		0.0977	30	
Bromobenzene	10.8		"	10.0		108	78-129		0.0929	30	
Bromochloromethane	10.6		"	10.0		106	77-128		3.93	30	
Bromodichloromethane	10.5		"	10.0		105	79-128		0.858	30	
Bromoform	11.3		"	10.0		113	78-133		1.23	30	
Bromomethane	7.30		"	10.0		73.0	43-168		3.48	30	
Carbon tetrachloride	9.70		"	10.0		97.0	77-141		4.53	30	
Chlorobenzene	10.9		"	10.0		109	88-120		0.638	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC70485 - EPA 5030B

LCS Dup (BC70485-BSD1)

Prepared & Analyzed: 03/10/2017

Chloroethane	8.03		ug/L	10.0		80.3	65-136		4.38	30	
Chloroform	9.79		"	10.0		97.9	82-128		2.38	30	
Chloromethane	6.23		"	10.0		62.3	43-155		16.1	30	
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129		2.10	30	
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131		0.00	30	
Dibromochloromethane	10.6		"	10.0		106	80-130		1.43	30	
Dibromomethane	10.3		"	10.0		103	72-134		0.580	30	
Dichlorodifluoromethane	9.55		"	10.0		95.5	44-144		0.105	30	
Ethyl Benzene	10.4		"	10.0		104	80-131		0.477	30	
Hexachlorobutadiene	11.9		"	10.0		119	67-146		7.50	30	
Isopropylbenzene	11.1		"	10.0		111	76-140		1.87	30	
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135		4.57	30	
Methylene chloride	9.82		"	10.0		98.2	55-137		3.42	30	
Naphthalene	13.1		"	10.0		131	70-147		12.9	30	
n-Butylbenzene	11.0		"	10.0		110	79-132		1.28	30	
n-Propylbenzene	10.9		"	10.0		109	78-133		2.18	30	
o-Xylene	10.3		"	10.0		103	78-130		0.579	30	
p- & m- Xylenes	20.4		"	20.0		102	77-133		1.51	30	
p-Isopropyltoluene	11.2		"	10.0		112	81-136		0.357	30	
sec-Butylbenzene	11.0		"	10.0		110	79-137		0.901	30	
Styrene	11.1		"	10.0		111	67-132		0.720	30	
tert-Butylbenzene	11.6		"	10.0		116	77-138		5.11	30	
Tetrachloroethylene	13.0		"	10.0		130	82-131		19.7	30	
Toluene	10.7		"	10.0		107	80-127		0.654	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		3.59	30	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131		0.297	30	
Trichloroethylene	11.0		"	10.0		110	82-128		0.731	30	
Trichlorofluoromethane	9.02		"	10.0		90.2	67-139		1.32	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		0.0939	30	
Surrogate: 1,2-Dichloroethane-d4	8.94		"	10.0		89.4	69-130				
Surrogate: Toluene-d8	10.2		"	10.0		102	81-117				
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17C0220-01	WQ030117:1230 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17C0220-02	WQ030117:1235 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17C0220-03	WQ030117:1240 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17C0220-04	WQ030117:1245 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

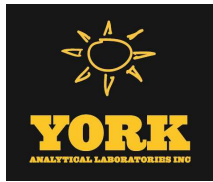
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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).
*	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.

ANALYTICAL LABORATORIES, INC.

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Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

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York Project

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(RW & FLW)