

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	5.0 to 8.5	---	5	5	5	5	5	5	5	5	5	5	5	---	10	7	---	---
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

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

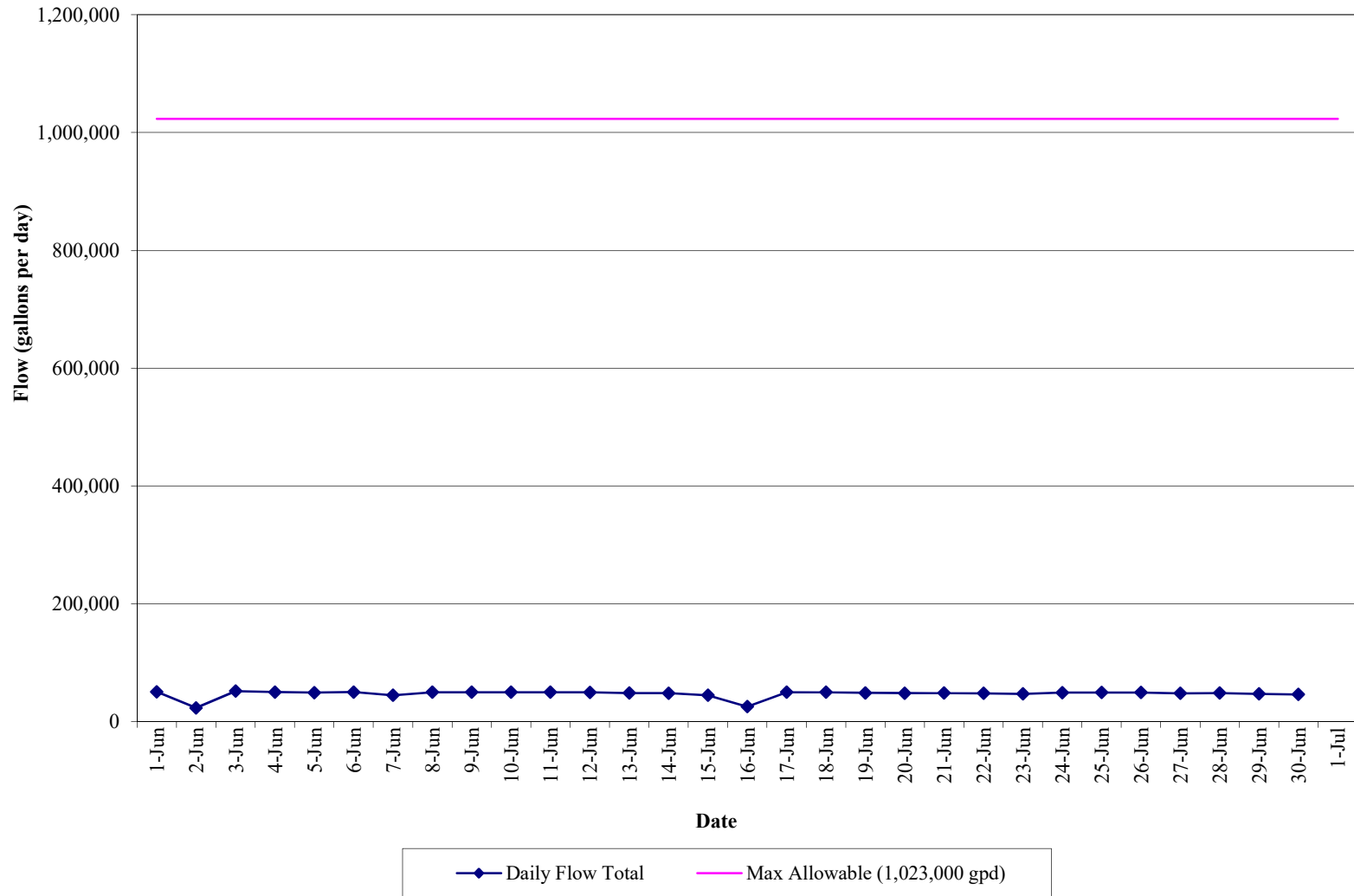
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

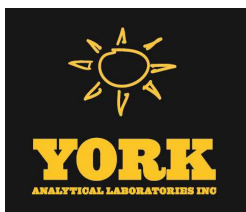
1. Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

Effluent Flow Data
(June 1, 2016 to June 30, 2016)



APPENDIX I
JUNE 2016 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: 06/15/2016

Client Project ID: Rowe Industries

York Project (SDG) No.: 16F0391

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/15/2016
Client Project ID: Rowe Industries
York Project (SDG) No.: 16F0391

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 June 09, 2016 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>
16F0391-01	WQ060716:1400 NP2-6	Water	06/07/2016	06/09/2016
16F0391-02	WQ060716:1405 NP2-7	Water	06/07/2016	06/09/2016
16F0392-01	WQ060716:1410 NP2-10	Water	06/07/2016	06/09/2016

General Notes for York Project (SDG) No.: 16F0391

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.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/15/2016





Sample Information

Client Sample ID: WQ060716:1400 NP2-6

York Sample ID: 16F0391-01

York Project (SDG) No.

16F0391

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

June 7, 2016 2:00 pm

Date Received

06/09/2016

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	06/13/2016 09:18	06/13/2016 18:06	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	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	06/13/2016 09:18	06/13/2016 18:06	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK



Sample Information

Client Sample ID: WQ060716:1400 NP2-6

York Sample ID: 16F0391-01

York Project (SDG) No.
16F0391

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:00 pm

Date Received
06/09/2016

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	06/13/2016 09:18	06/13/2016 18:06	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
156-59-2	cis-1,2-Dichloroethylene	0.36	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK



Sample Information

Client Sample ID: WQ060716:1400 NP2-6

York Sample ID: 16F0391-01

York Project (SDG) No.
16F0391

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:00 pm

Date Received
06/09/2016

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
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/13/2016 09:18	06/13/2016 18:06	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/13/2016 09:18	06/13/2016 18:06	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
127-18-4	Tetrachloroethylene	2.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
79-01-6	Trichloroethylene	0.43	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/13/2016 09:18	06/13/2016 18:06	BK
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.8 %			69-130						
2037-26-5	Surrogate: Toluene-d8	97.2 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	96.9 %			79-122						

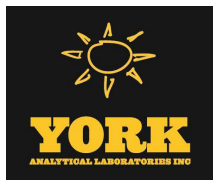
Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.41		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/10/2016 11:43	06/10/2016 19:22	KV



Sample Information

Client Sample ID: WQ060716:1400 NP2-6

York Sample ID: 16F0391-01

York Project (SDG) No.
16F0391

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:00 pm

Date Received
06/09/2016

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	ND		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/14/2016 11:17	06/14/2016 16:51	KV

Sample Information

Client Sample ID: WQ060716:1405 NP2-7

York Sample ID: 16F0391-02

York Project (SDG) No.
16F0391

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:05 pm

Date Received
06/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	06/13/2016 09:18	06/13/2016 18:32	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	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	06/13/2016 09:18	06/13/2016 18:32	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK



Sample Information

Client Sample ID: WQ060716:1405 NP2-7

York Sample ID: 16F0391-02

York Project (SDG) No.
16F0391

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:05 pm

Date Received
06/09/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
67-64-1	Acetone	1.3	ICV-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK



Sample Information

Client Sample ID: WQ060716:1405 NP2-7

York Sample ID: 16F0391-02

York Project (SDG) No.
16F0391

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:05 pm

Date Received
06/09/2016

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
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
95-47-6	o-Xylene	0.27	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/13/2016 09:18	06/13/2016 18:32	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/13/2016 09:18	06/13/2016 18:32	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
108-88-3	Toluene	0.47	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK



Sample Information

Client Sample ID: WQ060716:1405 NP2-7

York Sample ID: 16F0391-02

York Project (SDG) No.
16F0391

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:05 pm

Date Received
06/09/2016

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
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
1330-20-7	* Xylenes, Total	0.74	J	ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/13/2016 09:18	06/13/2016 18:32	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %		69-130							
2037-26-5	Surrogate: Toluene-d8	97.3 %		81-117							
460-00-4	Surrogate: p-Bromofluorobenzene	96.0 %		79-122							

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	2.67		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/10/2016 11:43	06/10/2016 19:27	KV

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0595		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/14/2016 11:17	06/14/2016 16:56	KV

Sample Information

Client Sample ID: WQ060716:1410 NP2-10

York Sample ID: 16F0392-01

York Project (SDG) No.
16F0392

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:10 pm

Date Received
06/09/2016

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	06/13/2016 17:09	06/13/2016 19:26	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
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	06/13/2016 17:09	06/13/2016 19:26	SS



Sample Information

Client Sample ID: WQ060716:1410 NP2-10

York Sample ID: 16F0392-01

York Project (SDG) No.
16F0392

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:10 pm

Date Received
06/09/2016

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
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
67-64-1	Acetone	1.5	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS



Sample Information

Client Sample ID: WQ060716:1410 NP2-10

York Sample ID: 16F0392-01

York Project (SDG) No.
16F0392

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:10 pm

Date Received
06/09/2016

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
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/13/2016 17:09	06/13/2016 19:26	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/13/2016 17:09	06/13/2016 19:26	SS



Sample Information

Client Sample ID: WQ060716:1410 NP2-10

York Sample ID: 16F0392-01

York Project (SDG) No.
16F0392

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 2:10 pm

Date Received
06/09/2016

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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/13/2016 17:09	06/13/2016 19:26	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								

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	2.24		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/10/2016 11:43	06/10/2016 19:32	KV

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	0.0949		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/14/2016 11:17	06/14/2016 17:01	KV

Total Dissolved Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ060716:1410 NP2-10

York Sample ID: 16F0392-01

York Project (SDG) No.

16F0392

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

June 7, 2016 2:10 pm

Date Received

06/09/2016

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	150		mg/L	10.0	10.0	1	SM 2540C	06/10/2016 13:38	06/13/2016 14:48	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP											



Analytical Batch Summary

Batch ID: BF60598 **Preparation Method:** EPA 200.7 **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16F0391-01	WQ060716:1400 NP2-6	06/10/16
16F0391-02	WQ060716:1405 NP2-7	06/10/16
16F0392-01	WQ060716:1410 NP2-10	06/10/16
BF60598-BLK1	Blank	06/10/16
BF60598-SRM1	Reference	06/10/16

Batch ID: BF60606 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
16F0392-01	WQ060716:1410 NP2-10	06/10/16
BF60606-BLK1	Blank	06/10/16

Batch ID: BF60647 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16F0391-01	WQ060716:1400 NP2-6	06/13/16
16F0391-02	WQ060716:1405 NP2-7	06/13/16
BF60647-BLK1	Blank	06/13/16
BF60647-BS1	LCS	06/13/16
BF60647-BSD1	LCS Dup	06/13/16

Batch ID: BF60684 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16F0392-01	WQ060716:1410 NP2-10	06/13/16
BF60684-BLK1	Blank	06/13/16
BF60684-BS1	LCS	06/13/16
BF60684-BSD1	LCS Dup	06/13/16

Batch ID: BF60738 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16F0391-01	WQ060716:1400 NP2-6	06/14/16
16F0391-02	WQ060716:1405 NP2-7	06/14/16
16F0392-01	WQ060716:1410 NP2-10	06/14/16
BF60738-BLK1	Blank	06/14/16
BF60738-SRM1	Reference	06/14/16



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 BF60647 - EPA 5030B											
Blank (BF60647-BLK1)										Prepared & Analyzed: 06/13/2016	
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	ND	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	"								
o-Xylene	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 BF60647 - EPA 5030B

Blank (BF60647-BLK1)

Prepared & Analyzed: 06/13/2016

p- & m- Xylenes	ND	1.0	ug/L
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

10.3

"

10.0

103

69-130

Surrogate: Toluene-d8

9.71

"

10.0

97.1

81-117

Surrogate: p-Bromofluorobenzene

9.58

"

10.0

95.8

79-122

LCS (BF60647-BS1)

Prepared & Analyzed: 06/13/2016

1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123
1,1-Dichloroethane	11.9		"	10.0		119	82-129
1,1-Dichloroethylene	10.8		"	10.0		108	68-138
1,1-Dichloropropylene	10.9		"	10.0		109	83-133
1,2,3-Trichlorobenzene	9.10		"	10.0		91.0	76-136
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128
1,2,4-Trichlorobenzene	9.69		"	10.0		96.9	76-137
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132
1,2-Dibromo-3-chloropropane	9.82		"	10.0		98.2	45-147
1,2-Dibromoethane	10.5		"	10.0		105	83-124
1,2-Dichlorobenzene	9.73		"	10.0		97.3	79-123
1,2-Dichloroethane	10.9		"	10.0		109	73-132
1,2-Dichloropropane	10.2		"	10.0		102	78-126
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131
1,3-Dichlorobenzene	9.73		"	10.0		97.3	86-122
1,3-Dichloropropane	10.5		"	10.0		105	81-125
1,4-Dichlorobenzene	9.63		"	10.0		96.3	85-124
2,2-Dichloropropane	11.7		"	10.0		117	56-150
2-Chlorotoluene	9.78		"	10.0		97.8	79-130
2-Hexanone	9.65		"	10.0		96.5	51-146
4-Chlorotoluene	9.66		"	10.0		96.6	79-128
Acetone	8.70		"	10.0		87.0	14-150
Benzene	11.2		"	10.0		112	85-126
Bromobenzene	10.3		"	10.0		103	78-129
Bromochloromethane	11.4		"	10.0		114	77-128
Bromodichloromethane	10.5		"	10.0		105	79-128
Bromoform	10.8		"	10.0		108	78-133
Bromomethane	10.5		"	10.0		105	43-168
Carbon tetrachloride	11.0		"	10.0		110	77-141
Chlorobenzene	9.91		"	10.0		99.1	88-120



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 BF60647 - EPA 5030B

LCS (BF60647-BS1)

Prepared & Analyzed: 06/13/2016

Chloroethane	9.27		ug/L	10.0		92.7	65-136				
Chloroform	11.2		"	10.0		112	82-128				
Chloromethane	9.74		"	10.0		97.4	43-155				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	10.3		"	10.0		103	80-130				
Dibromomethane	10.6		"	10.0		106	72-134				
Dichlorodifluoromethane	11.5		"	10.0		115	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	8.47		"	10.0		84.7	67-146				
Isopropylbenzene	9.79		"	10.0		97.9	76-140				
Methyl tert-butyl ether (MTBE)	11.5		"	10.0		115	76-135				
Methylene chloride	10.6		"	10.0		106	55-137				
Naphthalene	10.1		"	10.0		101	70-147				
n-Butylbenzene	10.3		"	10.0		103	79-132				
n-Propylbenzene	9.83		"	10.0		98.3	78-133				
o-Xylene	10.1		"	10.0		101	78-130				
p- & m- Xylenes	21.1		"	20.0		106	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	9.54		"	10.0		95.4	79-137				
Styrene	11.3		"	10.0		113	67-132				
tert-Butylbenzene	9.56		"	10.0		95.6	77-138				
Tetrachloroethylene	8.32		"	10.0		83.2	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131				
Trichloroethylene	10.0		"	10.0		100	82-128				
Trichlorofluoromethane	10.6		"	10.0		106	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: Toluene-d8	9.60		"	10.0		96.0	81-117				
Surrogate: p-Bromofluorobenzene	9.80		"	10.0		98.0	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 BF60647 - EPA 5030B											
LCS Dup (BF60647-BSD1)						Prepared & Analyzed: 06/13/2016					
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		4.77	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	78-136		4.73	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		3.86	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165		2.08	30	
1,1,2-Trichloroethane	11.1		"	10.0		111	82-123		8.62	30	
1,1-Dichloroethane	12.4		"	10.0		124	82-129		4.61	30	
1,1-Dichloroethylene	11.3		"	10.0		113	68-138		3.89	30	
1,1-Dichloropropylene	11.3		"	10.0		113	83-133		3.88	30	
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-136		15.7	30	
1,2,3-Trichloropropane	10.7		"	10.0		107	77-128		3.33	30	
1,2,4-Trichlorobenzene	10.7		"	10.0		107	76-137		10.3	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132		6.75	30	
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147		8.39	30	
1,2-Dibromoethane	11.2		"	10.0		112	83-124		6.17	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		5.79	30	
1,2-Dichloroethane	11.6		"	10.0		116	73-132		6.15	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		5.54	30	
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131		5.11	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122		5.30	30	
1,3-Dichloropropane	11.0		"	10.0		110	81-125		5.12	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		6.14	30	
2,2-Dichloropropane	12.2		"	10.0		122	56-150		4.01	30	
2-Chlorotoluene	10.4		"	10.0		104	79-130		5.66	30	
2-Hexanone	10.5		"	10.0		105	51-146		8.06	30	
4-Chlorotoluene	10.1		"	10.0		101	79-128		4.65	30	
Acetone	8.98		"	10.0		89.8	14-150		3.17	30	
Benzene	11.7		"	10.0		117	85-126		4.89	30	
Bromobenzene	10.7		"	10.0		107	78-129		4.19	30	
Bromochloromethane	12.0		"	10.0		120	77-128		5.04	30	
Bromodichloromethane	11.0		"	10.0		110	79-128		5.30	30	
Bromoform	11.5		"	10.0		115	78-133		6.29	30	
Bromomethane	11.2		"	10.0		112	43-168		6.92	30	
Carbon tetrachloride	11.4		"	10.0		114	77-141		3.57	30	
Chlorobenzene	10.5		"	10.0		105	88-120		5.59	30	
Chloroethane	9.29		"	10.0		92.9	65-136		0.216	30	
Chloroform	11.6		"	10.0		116	82-128		4.04	30	
Chloromethane	10.4		"	10.0		104	43-155		6.36	30	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129		5.36	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131		5.99	30	
Dibromochloromethane	10.9		"	10.0		109	80-130		5.39	30	
Dibromomethane	11.3		"	10.0		113	72-134		6.58	30	
Dichlorodifluoromethane	11.6		"	10.0		116	44-144		0.692	30	
Ethyl Benzene	11.2		"	10.0		112	80-131		4.93	30	
Hexachlorobutadiene	9.33		"	10.0		93.3	67-146		9.66	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		4.00	30	
Methyl tert-butyl ether (MTBE)	12.1		"	10.0		121	76-135		4.74	30	
Methylene chloride	11.2		"	10.0		112	55-137		5.68	30	
Naphthalene	11.2		"	10.0		112	70-147		11.1	30	
n-Butylbenzene	11.0		"	10.0		110	79-132		5.92	30	
n-Propylbenzene	10.3		"	10.0		103	78-133		4.28	30	
o-Xylene	10.6		"	10.0		106	78-130		4.91	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 BF60647 - EPA 5030B

LCS Dup (BF60647-BSD1)

Prepared & Analyzed: 06/13/2016

p- & m- Xylenes	22.5		ug/L	20.0		112	77-133		6.14	30
p-Isopropyltoluene	11.0		"	10.0		110	81-136		6.19	30
sec-Butylbenzene	9.98		"	10.0		99.8	79-137		4.51	30
Styrene	12.0		"	10.0		120	67-132		5.58	30
tert-Butylbenzene	10.1		"	10.0		101	77-138		5.59	30
Tetrachloroethylene	8.85		"	10.0		88.5	82-131		6.17	30
Toluene	11.0		"	10.0		110	80-127		6.74	30
trans-1,2-Dichloroethylene	11.6		"	10.0		116	80-132		6.69	30
trans-1,3-Dichloropropylene	11.2		"	10.0		112	78-131		6.76	30
Trichloroethylene	10.6		"	10.0		106	82-128		5.63	30
Trichlorofluoromethane	10.5		"	10.0		105	67-139		1.04	30
Vinyl Chloride	10.5		"	10.0		105	58-145		2.71	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.69</i>		<i>"</i>	<i>10.0</i>		<i>96.9</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>79-122</i>			

Batch BF60684 - EPA 5030B

Blank (BF60684-BLK1)

Prepared & Analyzed: 06/13/2016

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	0.60	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.27	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	1.7	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	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 BF60684 - EPA 5030B

Blank (BF60684-BLK1)

Prepared & Analyzed: 06/13/2016

Chlorobenzene	ND	0.50	ug/L								
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	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	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 BF60684 - EPA 5030B											
LCS (BF60684-BS1)						Prepared & Analyzed: 06/13/2016					
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	10.9		"	10.0		109	78-136				
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165				
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123				
1,1-Dichloroethane	11.1		"	10.0		111	82-129				
1,1-Dichloroethylene	10.7		"	10.0		107	68-138				
1,1-Dichloropropylene	10.4		"	10.0		104	83-133				
1,2,3-Trichlorobenzene	11.2		"	10.0		112	76-136				
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	10.3		"	10.0		103	45-147				
1,2-Dibromoethane	10.7		"	10.0		107	83-124				
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123				
1,2-Dichloroethane	10.9		"	10.0		109	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122				
1,3-Dichloropropane	10.9		"	10.0		109	81-125				
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124				
2,2-Dichloropropane	10.3		"	10.0		103	56-150				
2-Chlorotoluene	10.2		"	10.0		102	79-130				
2-Hexanone	10.3		"	10.0		103	51-146				
4-Chlorotoluene	10.2		"	10.0		102	79-128				
Acetone	10.0		"	10.0		100	14-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	10.6		"	10.0		106	78-129				
Bromochloromethane	11.9		"	10.0		119	77-128				
Bromodichloromethane	11.0		"	10.0		110	79-128				
Bromoform	10.8		"	10.0		108	78-133				
Bromomethane	9.62		"	10.0		96.2	43-168				
Carbon tetrachloride	10.9		"	10.0		109	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	9.57		"	10.0		95.7	43-155				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	11.0		"	10.0		110	72-134				
Dichlorodifluoromethane	10.4		"	10.0		104	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	9.90		"	10.0		99.0	67-146				
Isopropylbenzene	10.1		"	10.0		101	76-140				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135				
Methylene chloride	10.4		"	10.0		104	55-137				
Naphthalene	11.4		"	10.0		114	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.1		"	10.0		101	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 BF60684 - EPA 5030B

LCS (BF60684-BS1)

Prepared & Analyzed: 06/13/2016

p- & m- Xylenes	22.0		ug/L	20.0		110	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	9.77		"	10.0		97.7	79-137				
Styrene	11.4		"	10.0		114	67-132				
tert-Butylbenzene	10.0		"	10.0		100	77-138				
Tetrachloroethylene	9.69		"	10.0		96.9	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131				
Trichloroethylene	10.4		"	10.0		104	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.95</i>		<i>"</i>	<i>10.0</i>		<i>99.5</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.92</i>		<i>"</i>	<i>10.0</i>		<i>99.2</i>	<i>79-122</i>				

LCS Dup (BF60684-BS1)

Prepared & Analyzed: 06/13/2016

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		2.11	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		6.31	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129		3.99	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		7.37	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		0.371	30	
1,1-Dichloroethane	11.7		"	10.0		117	82-129		5.28	30	
1,1-Dichloroethylene	11.3		"	10.0		113	68-138		5.72	30	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133		5.70	30	
1,2,3-Trichlorobenzene	11.8		"	10.0		118	76-136		5.20	30	
1,2,3-Trichloropropane	11.0		"	10.0		110	77-128		3.33	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	76-137		2.44	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132		2.29	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		2.01	30	
1,2-Dibromoethane	11.0		"	10.0		110	83-124		2.85	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		0.974	30	
1,2-Dichloroethane	11.4		"	10.0		114	73-132		4.03	30	
1,2-Dichloropropane	10.7		"	10.0		107	78-126		1.31	30	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131		2.47	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122		2.34	30	
1,3-Dichloropropane	10.9		"	10.0		109	81-125		0.0920	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		2.27	30	
2,2-Dichloropropane	10.7		"	10.0		107	56-150		4.38	30	
2-Chlorotoluene	10.4		"	10.0		104	79-130		2.53	30	
2-Hexanone	10.7		"	10.0		107	51-146		3.62	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		2.71	30	
Acetone	10.1		"	10.0		101	14-150		0.497	30	
Benzene	11.4		"	10.0		114	85-126		5.21	30	
Bromobenzene	10.9		"	10.0		109	78-129		2.99	30	
Bromochloromethane	12.3		"	10.0		123	77-128		3.64	30	
Bromodichloromethane	11.2		"	10.0		112	79-128		1.98	30	
Bromoform	11.0		"	10.0		110	78-133		1.37	30	
Bromomethane	10.7		"	10.0		107	43-168		10.3	30	
Carbon tetrachloride	11.7		"	10.0		117	77-141		6.74	30	
Chlorobenzene	10.4		"	10.0		104	88-120		2.23	30	
Chloroethane	10.8		"	10.0		108	65-136		5.23	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 BF60684 - EPA 5030B

LCS Dup (BF60684-BSD1)

Prepared & Analyzed: 06/13/2016

Chloroform	11.5		ug/L	10.0		115	82-128		4.98	30	
Chloromethane	10.0		"	10.0		100	43-155		4.39	30	
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129		4.04	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		0.849	30	
Dibromochloromethane	10.9		"	10.0		109	80-130		2.12	30	
Dibromomethane	11.0		"	10.0		110	72-134		0.272	30	
Dichlorodifluoromethane	11.0		"	10.0		110	44-144		5.77	30	
Ethyl Benzene	11.1		"	10.0		111	80-131		2.82	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		5.31	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		3.03	30	
Methyl tert-butyl ether (MTBE)	11.4		"	10.0		114	76-135		4.01	30	
Methylene chloride	10.8		"	10.0		108	55-137		3.12	30	
Naphthalene	11.8		"	10.0		118	70-147		3.71	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		4.07	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		3.42	30	
o-Xylene	10.6		"	10.0		106	78-130		1.62	30	
p- & m- Xylenes	22.4		"	20.0		112	77-133		2.12	30	
p-Isopropyltoluene	11.0		"	10.0		110	81-136		3.05	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		4.31	30	
Styrene	11.7		"	10.0		117	67-132		2.68	30	
tert-Butylbenzene	10.4		"	10.0		104	77-138		3.53	30	
Tetrachloroethylene	10.2		"	10.0		102	82-131		5.52	30	
Toluene	11.0		"	10.0		110	80-127		2.01	30	
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132		5.85	30	
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131		1.51	30	
Trichloroethylene	10.7		"	10.0		107	82-128		2.84	30	
Trichlorofluoromethane	11.5		"	10.0		115	67-139		6.45	30	
Vinyl Chloride	10.9		"	10.0		109	58-145		6.16	30	
Surrogate: 1,2-Dichloroethane-d4	10.3		"	10.0		103	69-130				
Surrogate: Toluene-d8	9.86		"	10.0		98.6	81-117				
Surrogate: p-Bromofluorobenzene	9.83		"	10.0		98.3	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 BF60598 - EPA 200.7

Blank (BF60598-BLK1)

Prepared & Analyzed: 06/10/2016

Iron	ND	0.0200	mg/L
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Reference (BF60598-SRM1)

Prepared & Analyzed: 06/10/2016

Iron	0.846		ug/mL	0.900		94.0	85-115
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Batch BF60738 - EPA 3015A

Blank (BF60738-BLK1)

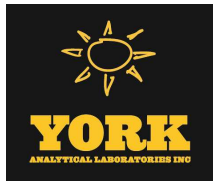
Prepared & Analyzed: 06/14/2016

Iron - Dissolved	ND	0.0200	mg/L
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Reference (BF60738-SRM1)

Prepared & Analyzed: 06/14/2016

Iron - Dissolved	0.864		ug/mL	0.900		96.0	85-115
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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 BF60606 - % Solids Prep

Blank (BF60606-BLK1)

Prepared: 06/10/2016 Analyzed: 06/13/2016

Total Dissolved Solids	ND	10.0	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16F0391-01	WQ060716:1400 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0391-02	WQ060716:1405 NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0392-01	WQ060716:1410 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
*	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.

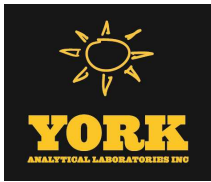
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

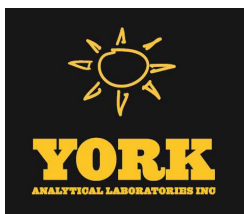
Page 1 of 1

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. 16F0391

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type			
Company: <u>LB6</u>	Company: <u>Same</u>	Company: <u>Same</u>		Company: <u>Same</u>		RUSH - Same Day ☐		Summary Report <u>X</u> , pdf		Summary w/ QA Summary <u>X</u> , pdf			
Address: <u>4 Research Dr Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>		Address: <u>Same</u>		RUSH - Next Day ☐		CT RCP Package		CT RCP Package			
Phone No. <u>263-929-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>		Phone No. <u>Same</u>		RUSH - Two Day ☐		CTRCP DQADUE Pkg		CTRCP DQADUE Pkg			
Contact Person: <u>Jude Sandoz</u>	Attention: <u>Same</u>	Attention: <u>Same</u>		Attention: <u>Same</u>		RUSH - Three Day ☐		NY ASP A Package		NY ASP A Package			
E-Mail Address: <u>JSandoz@LB6CT.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>		E-Mail Address: <u>Same</u>		RUSH - Four Day ☐		NY ASP B Package <u>NP2-10 only</u>		NY ASP B Package <u>NP2-10 only</u>			
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		Samples Collected/Authorized By (Signature) <u>Evan Foster</u>		Samples from: CT <u>NY</u> <u>X</u> NJ		Standard (5-7 Days) ☒		Electronic Data Deliverables (EDD)		Simple Excel <u>X</u>			
Matrix Codes S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles BTEX list MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list SOP list		Semi-Volatiles PCB list STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NUDEP list App. IX TCLP BNA SOP list		Metals RCRA 8 PP13 list TAL CT15 list TAGM list NUDEP list Total Disolved SPLP list TCLP Herb Chloridane LIST Below		Full Lists PCL Poll. TCL Orgs TAL MeCN Full TCLP Full App IX Full 1664 Air TO14A Air TO15 Air STARS SPLP list Air VPH Air TICs Mediane LIST Below		Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heteroxyls TOX BTU/Wb. Aromatic Tox TOC Asbestos Silica		Other York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):	
Choose Analyses Needed from the Menu Above and Enter Below													
Sample Identification	Date Sampled	Sample Matrix	Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SW 846-8100) 100s, P240 list (EPA SW 845-8100) plus from 113										
WQ060716: 1400 NP2-6	6-7-16	GW											
WQ060716: 1405 NP2-7		GW											
WQ060716: 1410 NP2-10		GW											
Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SW 846-8100) 100s, P240 list (EPA SW 845-8100) plus from 113 100s (SH 2510C)													
300g, 2 Plastic													
300g, 3 Plastic													
Temperature on Receipt 42°C													

(system)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 07/01/2016

Client Project ID: Rowe Industries

York Project (SDG) No.: 16F0989

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 07/01/2016
Client Project ID: Rowe Industries
York Project (SDG) No.: 16F0989

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 June 27, 2016 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>
16F0989-01	WQ062316:1200 NP2-6	Water	06/23/2016	06/27/2016
16F0989-02	WQ062316:1205 NP2-7	Water	06/23/2016	06/27/2016
16F0991-01	WQ062316:1210 NP2-10	Water	06/23/2016	06/27/2016

General Notes for York Project (SDG) No.: 16F0989

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.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 07/01/2016





Sample Information

Client Sample ID: WQ062316:1200 NP2-6

York Sample ID: 16F0989-01

York Project (SDG) No.

16F0989

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

June 23, 2016 12:00 pm

Date Received

06/27/2016

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	06/30/2016 08:00	06/30/2016 13:24	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	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	06/30/2016 08:00	06/30/2016 13:24	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK



Sample Information

Client Sample ID: WQ062316:1200 NP2-6

York Sample ID: 16F0989-01

York Project (SDG) No.
16F0989

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:00 pm

Date Received
06/27/2016

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	06/30/2016 08:00	06/30/2016 13:24	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
74-83-9	Bromomethane	2.9	B	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK



Sample Information

Client Sample ID: WQ062316:1200 NP2-6

York Sample ID: 16F0989-01

York Project (SDG) No.
16F0989

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:00 pm

Date Received
06/27/2016

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
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/30/2016 08:00	06/30/2016 13:24	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/30/2016 08:00	06/30/2016 13:24	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
127-18-4	Tetrachloroethylene	1.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
79-01-6	Trichloroethylene	0.33	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/30/2016 08:00	06/30/2016 13:24	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.9 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.9 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.2 %	79-122								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	3.72		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/29/2016 08:53	06/29/2016 19:22	KV



Sample Information

Client Sample ID: WQ062316:1200 NP2-6

York Sample ID: 16F0989-01

York Project (SDG) No.
16F0989

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:00 pm

Date Received
06/27/2016

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	ND		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/28/2016 09:10	06/28/2016 16:05	KV

Sample Information

Client Sample ID: WQ062316:1205 NP2-7

York Sample ID: 16F0989-02

York Project (SDG) No.
16F0989

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:05 pm

Date Received
06/27/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to 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	06/29/2016 08:43	06/29/2016 12:09	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	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	06/29/2016 08:43	06/29/2016 12:09	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK



Sample Information

Client Sample ID: WQ062316:1205 NP2-7

York Sample ID: 16F0989-02

York Project (SDG) No.
16F0989

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:05 pm

Date Received
06/27/2016

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
67-64-1	Acetone	1.6	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK



Sample Information

Client Sample ID: WQ062316:1205 NP2-7

York Sample ID: 16F0989-02

York Project (SDG) No.
16F0989

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:05 pm

Date Received
06/27/2016

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
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/29/2016 08:43	06/29/2016 12:09	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/29/2016 08:43	06/29/2016 12:09	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK



Sample Information

Client Sample ID: WQ062316:1205 NP2-7

York Sample ID: 16F0989-02

York Project (SDG) No.
16F0989

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:05 pm

Date Received
06/27/2016

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
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/29/2016 08:43	06/29/2016 12:09	BK
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %		69-130							
2037-26-5	Surrogate: Toluene-d8	102 %		81-117							
460-00-4	Surrogate: p-Bromofluorobenzene	105 %		79-122							

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	2.64		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/29/2016 08:53	06/29/2016 19:27	KV

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0727		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/28/2016 09:10	06/28/2016 16:23	KV

Sample Information

Client Sample ID: WQ062316:1210 NP2-10

York Sample ID: 16F0991-01

York Project (SDG) No.
16F0991

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:10 pm

Date Received
06/27/2016

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	06/30/2016 08:00	06/30/2016 12:57	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	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	06/30/2016 08:00	06/30/2016 12:57	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK



Sample Information

Client Sample ID: WQ062316:1210 NP2-10

York Sample ID: 16F0991-01

York Project (SDG) No.
16F0991

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:10 pm

Date Received
06/27/2016

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
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK



Sample Information

Client Sample ID: WQ062316:1210 NP2-10

York Sample ID: 16F0991-01

York Project (SDG) No.
16F0991

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:10 pm

Date Received
06/27/2016

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
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
74-83-9	Bromomethane	2.8	B	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/30/2016 08:00	06/30/2016 12:57	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/30/2016 08:00	06/30/2016 12:57	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK



Sample Information

Client Sample ID: WQ062316:1210 NP2-10

York Sample ID: 16F0991-01

York Project (SDG) No.
16F0991

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 12:10 pm

Date Received
06/27/2016

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
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/30/2016 08:00	06/30/2016 12:57	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.8 %	69-130								
2037-26-5	Surrogate: Toluene-d8	96.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.1 %	79-122								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	2.72		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/29/2016 08:53	06/29/2016 19:37	KV

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0340		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	06/28/2016 09:10	06/28/2016 16:28	KV

Total Dissolved Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ062316:1210 NP2-10

York Sample ID: 16F0991-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

16F0991

Rowe Industries

Water

June 23, 2016 12:10 pm

06/27/2016

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	158		mg/L	10.0	10.0	1	SM 2540C	06/29/2016 13:10	06/29/2016 13:10	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP											



Analytical Batch Summary

Batch ID: BF61395 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16F0989-01	WQ062316:1200 NP2-6	06/28/16
16F0989-02	WQ062316:1205 NP2-7	06/28/16
16F0991-01	WQ062316:1210 NP2-10	06/28/16
BF61395-BLK1	Blank	06/28/16
BF61395-DUP1	Duplicate	06/28/16
BF61395-MS1	Matrix Spike	06/28/16
BF61395-SRM1	Reference	06/28/16

Batch ID: BF61472 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16F0989-02	WQ062316:1205 NP2-7	06/29/16
BF61472-BLK1	Blank	06/29/16
BF61472-BS1	LCS	06/29/16
BF61472-BSD1	LCS Dup	06/29/16

Batch ID: BF61476 **Preparation Method:** EPA 200.7 **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
16F0989-01	WQ062316:1200 NP2-6	06/29/16
16F0989-02	WQ062316:1205 NP2-7	06/29/16
16F0991-01	WQ062316:1210 NP2-10	06/29/16
BF61476-BLK1	Blank	06/29/16
BF61476-SRM1	Reference	06/29/16

Batch ID: BF61485 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
16F0991-01	WQ062316:1210 NP2-10	06/29/16
BF61485-BLK1	Blank	06/29/16

Batch ID: BF61535 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
16F0989-01	WQ062316:1200 NP2-6	06/30/16
16F0991-01	WQ062316:1210 NP2-10	06/30/16
BF61535-BLK1	Blank	06/30/16
BF61535-BS1	LCS	06/30/16
BF61535-BSD1	LCS Dup	06/30/16



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 BF61472 - EPA 5030B											
Blank (BF61472-BLK1)										Prepared & Analyzed: 06/29/2016	
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	1.7	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	2.8	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	"								
o-Xylene	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 BF61472 - EPA 5030B

Blank (BF61472-BLK1)

Prepared & Analyzed: 06/29/2016

p- & m- Xylenes	ND	1.0	ug/L
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

10.0

"

10.0

100

69-130

Surrogate: Toluene-d8

10.2

"

10.0

102

81-117

Surrogate: p-Bromofluorobenzene

10.6

"

10.0

106

79-122

LCS (BF61472-BS1)

Prepared & Analyzed: 06/29/2016

1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126
1,1,1-Trichloroethane	11.2		"	10.0		112	78-136
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.89		"	10.0		98.9	54-165
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123
1,1-Dichloroethane	12.6		"	10.0		126	82-129
1,1-Dichloroethylene	11.4		"	10.0		114	68-138
1,1-Dichloropropylene	11.3		"	10.0		113	83-133
1,2,3-Trichlorobenzene	8.82		"	10.0		88.2	76-136
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128
1,2,4-Trichlorobenzene	9.48		"	10.0		94.8	76-137
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147
1,2-Dibromoethane	10.1		"	10.0		101	83-124
1,2-Dichlorobenzene	9.83		"	10.0		98.3	79-123
1,2-Dichloroethane	10.9		"	10.0		109	73-132
1,2-Dichloropropane	11.6		"	10.0		116	78-126
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122
1,3-Dichloropropane	11.0		"	10.0		110	81-125
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124
2,2-Dichloropropane	13.3		"	10.0		133	56-150
2-Chlorotoluene	11.3		"	10.0		113	79-130
2-Hexanone	10.4		"	10.0		104	51-146
4-Chlorotoluene	11.0		"	10.0		110	79-128
Acetone	13.5		"	10.0		135	14-150
Benzene	11.4		"	10.0		114	85-126
Bromobenzene	11.5		"	10.0		115	78-129
Bromochloromethane	12.2		"	10.0		122	77-128
Bromodichloromethane	11.3		"	10.0		113	79-128
Bromoform	9.72		"	10.0		97.2	78-133
Bromomethane	8.29		"	10.0		82.9	43-168
Carbon tetrachloride	10.8		"	10.0		108	77-141
Chlorobenzene	10.2		"	10.0		102	88-120



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 BF61472 - EPA 5030B

LCS (BF61472-BS1)

Prepared & Analyzed: 06/29/2016

Chloroethane	10.7		ug/L	10.0		107	65-136				
Chloroform	11.3		"	10.0		113	82-128				
Chloromethane	5.61		"	10.0		56.1	43-155				
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129				
cis-1,3-Dichloropropylene	11.5		"	10.0		115	80-131				
Dibromochloromethane	10.0		"	10.0		100	80-130				
Dibromomethane	10.5		"	10.0		105	72-134				
Dichlorodifluoromethane	10.8		"	10.0		108	44-144				
Ethyl Benzene	11.8		"	10.0		118	80-131				
Hexachlorobutadiene	8.49		"	10.0		84.9	67-146				
Isopropylbenzene	10.9		"	10.0		109	76-140				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135				
Methylene chloride	11.0		"	10.0		110	55-137				
Naphthalene	9.16		"	10.0		91.6	70-147				
n-Butylbenzene	11.8		"	10.0		118	79-132				
n-Propylbenzene	11.4		"	10.0		114	78-133				
o-Xylene	11.0		"	10.0		110	78-130				
p- & m- Xylenes	23.5		"	20.0		118	77-133				
p-Isopropyltoluene	11.3		"	10.0		113	81-136				
sec-Butylbenzene	10.7		"	10.0		107	79-137				
Styrene	11.8		"	10.0		118	67-132				
tert-Butylbenzene	10.5		"	10.0		105	77-138				
Tetrachloroethylene	10.0		"	10.0		100	82-131				
Toluene	11.3		"	10.0		113	80-127				
trans-1,2-Dichloroethylene	11.6		"	10.0		116	80-132				
trans-1,3-Dichloropropylene	11.2		"	10.0		112	78-131				
Trichloroethylene	10.8		"	10.0		108	82-128				
Trichlorofluoromethane	12.1		"	10.0		121	67-139				
Vinyl Chloride	8.22		"	10.0		82.2	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.63</i>		<i>"</i>	<i>10.0</i>		<i>96.3</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>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</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 BF61472 - EPA 5030B											
LCS Dup (BF61472-BSD1)						Prepared & Analyzed: 06/29/2016					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		2.19	30	
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136		1.71	30	
1,1,2,2-Tetrachloroethane	11.9		"	10.0		119	76-129		9.44	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.65		"	10.0		96.5	54-165		2.46	30	
1,1,2-Trichloroethane	10.9		"	10.0		109	82-123		6.52	30	
1,1-Dichloroethane	12.4		"	10.0		124	82-129		0.959	30	
1,1-Dichloroethylene	11.2		"	10.0		112	68-138		0.885	30	
1,1-Dichloropropylene	11.2		"	10.0		112	83-133		0.976	30	
1,2,3-Trichlorobenzene	10.5		"	10.0		105	76-136		17.7	30	
1,2,3-Trichloropropane	10.9		"	10.0		109	77-128		5.06	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		10.8	30	
1,2,4-Trimethylbenzene	11.6		"	10.0		116	82-132		1.13	30	
1,2-Dibromo-3-chloropropane	12.1		"	10.0		121	45-147		14.3	30	
1,2-Dibromoethane	10.7		"	10.0		107	83-124		5.37	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		5.64	30	
1,2-Dichloroethane	11.4		"	10.0		114	73-132		4.04	30	
1,2-Dichloropropane	11.8		"	10.0		118	78-126		2.05	30	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131		0.703	30	
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122		1.66	30	
1,3-Dichloropropane	11.4		"	10.0		114	81-125		3.21	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		2.86	30	
2,2-Dichloropropane	13.3		"	10.0		133	56-150		0.151	30	
2-Chlorotoluene	11.2		"	10.0		112	79-130		1.07	30	
2-Hexanone	12.0		"	10.0		120	51-146		13.8	30	
4-Chlorotoluene	11.0		"	10.0		110	79-128		0.182	30	
Acetone	13.4		"	10.0		134	14-150		0.821	30	
Benzene	11.3		"	10.0		113	85-126		0.528	30	
Bromobenzene	11.8		"	10.0		118	78-129		2.66	30	
Bromochloromethane	12.0		"	10.0		120	77-128		2.07	30	
Bromodichloromethane	11.6		"	10.0		116	79-128		2.53	30	
Bromoform	10.5		"	10.0		105	78-133		7.91	30	
Bromomethane	8.50		"	10.0		85.0	43-168		2.50	30	
Carbon tetrachloride	10.7		"	10.0		107	77-141		1.40	30	
Chlorobenzene	10.4		"	10.0		104	88-120		1.65	30	
Chloroethane	10.4		"	10.0		104	65-136		2.75	30	
Chloroform	11.3		"	10.0		113	82-128		0.442	30	
Chloromethane	5.58		"	10.0		55.8	43-155		0.536	30	
cis-1,2-Dichloroethylene	11.6		"	10.0		116	83-129		0.859	30	
cis-1,3-Dichloropropylene	11.7		"	10.0		117	80-131		2.07	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		3.81	30	
Dibromomethane	11.1		"	10.0		111	72-134		5.76	30	
Dichlorodifluoromethane	10.6		"	10.0		106	44-144		1.69	30	
Ethyl Benzene	11.8		"	10.0		118	80-131		0.423	30	
Hexachlorobutadiene	9.22		"	10.0		92.2	67-146		8.24	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		1.48	30	
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	76-135		6.62	30	
Methylene chloride	11.0		"	10.0		110	55-137		0.544	30	
Naphthalene	11.0		"	10.0		110	70-147		18.5	30	
n-Butylbenzene	12.0		"	10.0		120	79-132		1.68	30	
n-Propylbenzene	11.2		"	10.0		112	78-133		1.42	30	
o-Xylene	11.1		"	10.0		111	78-130		0.634	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 BF61472 - EPA 5030B

LCS Dup (BF61472-BS01)

Prepared & Analyzed: 06/29/2016

p- & m- Xylenes	23.6		ug/L	20.0		118	77-133		0.467	30	
p-Isopropyltoluene	11.3		"	10.0		113	81-136		0.354	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		0.280	30	
Styrene	12.1		"	10.0		121	67-132		2.52	30	
tert-Butylbenzene	10.3		"	10.0		103	77-138		1.92	30	
Tetrachloroethylene	9.81		"	10.0		98.1	82-131		1.92	30	
Toluene	11.2		"	10.0		112	80-127		0.178	30	
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132		2.27	30	
trans-1,3-Dichloropropylene	12.0		"	10.0		120	78-131		6.03	30	
Trichloroethylene	10.8		"	10.0		108	82-128		0.184	30	
Trichlorofluoromethane	11.6		"	10.0		116	67-139		4.81	30	
Vinyl Chloride	8.40		"	10.0		84.0	58-145		2.17	30	
Surrogate: 1,2-Dichloroethane-d4	9.84		"	10.0		98.4	69-130				
Surrogate: Toluene-d8	9.96		"	10.0		99.6	81-117				
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				

Batch BF61535 - EPA 5030B

Blank (BF61535-BLK1)

Prepared & Analyzed: 06/30/2016

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	3.2	0.50	"								
Carbon tetrachloride	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 BF61535 - EPA 5030B

Blank (BF61535-BLK1)

Prepared & Analyzed: 06/30/2016

Chlorobenzene	ND	0.50	ug/L								
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	9.50		"	10.0		95.0	69-130				
Surrogate: Toluene-d8	9.74		"	10.0		97.4	81-117				
Surrogate: p-Bromofluorobenzene	9.87		"	10.0		98.7	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 BF61535 - EPA 5030B											
LCS (BF61535-BS1)						Prepared & Analyzed: 06/30/2016					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126				
1,1,1-Trichloroethane	11.3		"	10.0		113	78-136				
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165				
1,1,2-Trichloroethane	9.93		"	10.0		99.3	82-123				
1,1-Dichloroethane	12.2		"	10.0		122	82-129				
1,1-Dichloroethylene	10.7		"	10.0		107	68-138				
1,1-Dichloropropylene	11.3		"	10.0		113	83-133				
1,2,3-Trichlorobenzene	9.60		"	10.0		96.0	76-136				
1,2,3-Trichloropropane	9.49		"	10.0		94.9	77-128				
1,2,4-Trichlorobenzene	10.3		"	10.0		103	76-137				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	45-147				
1,2-Dibromoethane	10.1		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.85		"	10.0		98.5	79-123				
1,2-Dichloroethane	10.3		"	10.0		103	73-132				
1,2-Dichloropropane	10.5		"	10.0		105	78-126				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122				
1,3-Dichloropropane	10.2		"	10.0		102	81-125				
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124				
2,2-Dichloropropane	13.6		"	10.0		136	56-150				
2-Chlorotoluene	10.5		"	10.0		105	79-130				
2-Hexanone	9.36		"	10.0		93.6	51-146				
4-Chlorotoluene	10.5		"	10.0		105	79-128				
Acetone	10.6		"	10.0		106	14-150				
Benzene	11.7		"	10.0		117	85-126				
Bromobenzene	10.8		"	10.0		108	78-129				
Bromochloromethane	11.3		"	10.0		113	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				
Bromoform	10.7		"	10.0		107	78-133				
Bromomethane	9.80		"	10.0		98.0	43-168				
Carbon tetrachloride	11.1		"	10.0		111	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				
Chloroethane	12.5		"	10.0		125	65-136				
Chloroform	11.3		"	10.0		113	82-128				
Chloromethane	5.83		"	10.0		58.3	43-155				
cis-1,2-Dichloroethylene	11.4		"	10.0		114	83-129				
cis-1,3-Dichloropropylene	11.1		"	10.0		111	80-131				
Dibromochloromethane	10.1		"	10.0		101	80-130				
Dibromomethane	10.0		"	10.0		100	72-134				
Dichlorodifluoromethane	9.34		"	10.0		93.4	44-144				
Ethyl Benzene	11.3		"	10.0		113	80-131				
Hexachlorobutadiene	8.95		"	10.0		89.5	67-146				
Isopropylbenzene	10.7		"	10.0		107	76-140				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135				
Methylene chloride	9.85		"	10.0		98.5	55-137				
Naphthalene	9.71		"	10.0		97.1	70-147				
n-Butylbenzene	10.8		"	10.0		108	79-132				
n-Propylbenzene	10.8		"	10.0		108	78-133				
o-Xylene	10.8		"	10.0		108	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 BF61535 - EPA 5030B

LCS (BF61535-BS1)

Prepared & Analyzed: 06/30/2016

p- & m- Xylenes	22.7		ug/L	20.0		113	77-133				
p-Isopropyltoluene	11.0		"	10.0		110	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	11.7		"	10.0		117	67-132				
tert-Butylbenzene	10.5		"	10.0		105	77-138				
Tetrachloroethylene	10.8		"	10.0		108	82-131				
Toluene	11.1		"	10.0		111	80-127				
trans-1,2-Dichloroethylene	11.2		"	10.0		112	80-132				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	78-131				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	9.87		"	10.0		98.7	67-139				
Vinyl Chloride	8.91		"	10.0		89.1	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>8.99</i>		<i>"</i>	<i>10.0</i>		<i>89.9</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</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 Dup (BF61535-BS1)

Prepared & Analyzed: 06/30/2016

1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		2.72	30	
1,1,1-Trichloroethane	11.5		"	10.0		115	78-136		1.40	30	
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129		4.69	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		1.48	30	
1,1,2-Trichloroethane	10.8		"	10.0		108	82-123		8.02	30	
1,1-Dichloroethane	12.2		"	10.0		122	82-129		0.245	30	
1,1-Dichloroethylene	10.7		"	10.0		107	68-138		0.00	30	
1,1-Dichloropropylene	11.6		"	10.0		116	83-133		3.05	30	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	76-136		13.5	30	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128		9.91	30	
1,2,4-Trichlorobenzene	11.2		"	10.0		112	76-137		8.57	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		4.30	30	
1,2-Dibromo-3-chloropropane	11.3		"	10.0		113	45-147		12.0	30	
1,2-Dibromoethane	10.9		"	10.0		109	83-124		7.41	30	
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123		2.21	30	
1,2-Dichloroethane	11.1		"	10.0		111	73-132		7.58	30	
1,2-Dichloropropane	10.7		"	10.0		107	78-126		1.70	30	
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131		2.99	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		1.56	30	
1,3-Dichloropropane	10.8		"	10.0		108	81-125		5.83	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		0.295	30	
2,2-Dichloropropane	13.7		"	10.0		137	56-150		0.881	30	
2-Chlorotoluene	10.4		"	10.0		104	79-130		1.53	30	
2-Hexanone	10.5		"	10.0		105	51-146		11.1	30	
4-Chlorotoluene	10.3		"	10.0		103	79-128		2.22	30	
Acetone	11.9		"	10.0		119	14-150		11.7	30	
Benzene	11.8		"	10.0		118	85-126		0.766	30	
Bromobenzene	10.9		"	10.0		109	78-129		0.643	30	
Bromochloromethane	11.5		"	10.0		115	77-128		2.02	30	
Bromodichloromethane	10.9		"	10.0		109	79-128		3.16	30	
Bromoform	11.6		"	10.0		116	78-133		8.17	30	
Bromomethane	9.35		"	10.0		93.5	43-168		4.70	30	
Carbon tetrachloride	11.2		"	10.0		112	77-141		0.540	30	
Chlorobenzene	10.4		"	10.0		104	88-120		0.768	30	
Chloroethane	11.3		"	10.0		113	65-136		10.1	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

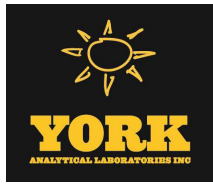
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF61535 - EPA 5030B											
LCS Dup (BF61535-BSD1)						Prepared & Analyzed: 06/30/2016					
Chloroform	11.5		ug/L	10.0		115	82-128		1.84	30	
Chloromethane	5.86		"	10.0		58.6	43-155		0.513	30	
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129		1.66	30	
cis-1,3-Dichloropropylene	11.4		"	10.0		114	80-131		2.93	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		6.72	30	
Dibromomethane	10.6		"	10.0		106	72-134		5.91	30	
Dichlorodifluoromethane	9.20		"	10.0		92.0	44-144		1.51	30	
Ethyl Benzene	11.2		"	10.0		112	80-131		0.976	30	
Hexachlorobutadiene	9.59		"	10.0		95.9	67-146		6.90	30	
Isopropylbenzene	10.3		"	10.0		103	76-140		3.14	30	
Methyl tert-butyl ether (MTBE)	12.4		"	10.0		124	76-135		9.06	30	
Methylene chloride	10.1		"	10.0		101	55-137		2.90	30	
Naphthalene	11.3		"	10.0		113	70-147		15.1	30	
n-Butylbenzene	10.7		"	10.0		107	79-132		1.30	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		3.21	30	
o-Xylene	10.7		"	10.0		107	78-130		0.746	30	
p- & m- Xylenes	22.4		"	20.0		112	77-133		1.20	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		1.93	30	
sec-Butylbenzene	10.0		"	10.0		100	79-137		2.75	30	
Styrene	11.8		"	10.0		118	67-132		1.27	30	
tert-Butylbenzene	10.2		"	10.0		102	77-138		3.09	30	
Tetrachloroethylene	10.8		"	10.0		108	82-131		0.556	30	
Toluene	11.0		"	10.0		110	80-127		0.543	30	
trans-1,2-Dichloroethylene	11.2		"	10.0		112	80-132		0.358	30	
trans-1,3-Dichloropropylene	11.6		"	10.0		116	78-131		6.02	30	
Trichloroethylene	10.4		"	10.0		104	82-128		1.43	30	
Trichlorofluoromethane	9.63		"	10.0		96.3	67-139		2.46	30	
Vinyl Chloride	8.56		"	10.0		85.6	58-145		4.01	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.72</i>		<i>"</i>	<i>10.0</i>		<i>97.2</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.88</i>		<i>"</i>	<i>10.0</i>		<i>98.8</i>	<i>79-122</i>				



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
Batch BF61395 - EPA 3015A											
Blank (BF61395-BLK1)								Prepared & Analyzed: 06/28/2016			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BF61395-DUP1)								Prepared & Analyzed: 06/28/2016			
Iron - Dissolved	*Source sample: 16F0989-01 (WQ062316:1200 NP2-6)										
Iron - Dissolved	0.0244	0.0222	mg/L		ND					20	
Matrix Spike (BF61395-MS1)								Prepared & Analyzed: 06/28/2016			
Iron - Dissolved	*Source sample: 16F0989-01 (WQ062316:1200 NP2-6)										
Iron - Dissolved	1.09	0.0222	mg/L	1.11	ND	97.7	75-125				
Reference (BF61395-SRM1)								Prepared & Analyzed: 06/28/2016			
Iron - Dissolved	0.829		ug/mL	0.900		92.2	85-115				
Batch BF61476 - EPA 200.7											
Blank (BF61476-BLK1)								Prepared & Analyzed: 06/29/2016			
Iron	ND	0.0200	mg/L								
Reference (BF61476-SRM1)								Prepared & Analyzed: 06/29/2016			
Iron	0.899		ug/mL	0.900		99.9	85-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
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Batch BF61485 - % Solids Prep

Blank (BF61485-BLK1)

Prepared & Analyzed: 06/29/2016

Total Dissolved Solids	ND	10.0	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16F0989-01	WQ062316:1200 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0989-02	WQ062316:1205 NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0991-01	WQ062316:1210 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

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.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
*	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. 16F0984

YOUR Information Company: <u>LBG</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 Sandor</u> E-Mail Address: <u>TSandor@LBG-CT.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>Reve Industries</u> Purchase Order No. <u>NABSA6</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>X</u> , pdf Summary w/ QA Summary <u>X</u> , pdf CT RCP Package ☐ CTRCP DQA/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☐ NIDEP Red. Deliv. ☐ Electronic Data Deliverables (EDDL) ☐ Simple Excel ☒			
Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8250 full TICs 624 Site Spec. STARS list BTEX MTBE TCE list TAGM list CT RCP list Arom. only Holog. only App. IX list 8021B list		Semi-Vols. Partitioned 8270 or 625 STARS list BN Only Acids Only PAH list App. IX Site Spec. CT RCP list TCEP list NIDEP list App. IX TCEP list 608 PCB 608 PCB		Metals RCRA3 PP13 list TAL CT15 list TACM list NIDEP list Dissolved SLP/TCLP Inert Metals LIST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Mediane Halon		Misc. Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. NYCEP TOC NYSECE Asbestos TAGM Silica		Other York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in): _____ _____ _____	
Sample Identification WQ0623161200 NP2-6 WQ0623161205 NP2-7 WQ0623161210 NP2-10		Date Sampled 6-23-16 6-23-16 6-23-16		Sample Matrix GW GW GW		Choose Analyses Needed from the Menu Above and Enter Below Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs, 8260 List (EPA SW 845-8260) plus from 113 Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs, 8260 List (EPA SW 845-8260) plus from 113 / TDS (9H 2540C)		Container Description(s) 300ml, 2 plastic 300ml, 2 plastic 300ml, 3 plastic					
Comments		Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		Frozen ☒ HCl ☒ MeOH ☒ ZnAc ☒ Ascorbic Acid ☒		HNO ₃ ☒ H ₂ SO ₄ ☒ NaOH ☒		Temperature on Receipt 3.6 °C					
Samples Relinquished By: _____ Date/Time: _____		Samples Relinquished By: _____ Date/Time: _____		Samples Relinquished By: _____ Date/Time: _____		Samples Relinquished By: _____ Date/Time: _____		Samples Relinquished By: _____ Date/Time: _____					

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

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

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

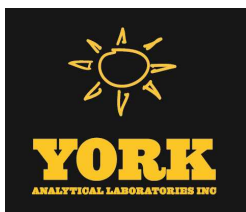
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

Page 1 of 1

York Project No. 16T-0991

YOUR Information			Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>LB6</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>		Company: <u>Same</u>		<u>Rene Industries</u>		RUSH - Same Day ☐		Summary Report: <u>X</u> , pdf	
Address: <u>4 Research Dr. Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>		Address: <u>Same</u>		<u>Purchase Order No.</u>		RUSH - Next Day ☐		Summary w/ QA Summary: <u>X</u> , pdf	
Phone No. <u>203-829-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>		Phone No. <u>Same</u>		<u>NAB5A6</u>		RUSH - Two Day ☐		CTRCP DQADUE Pkg	
Contact Person: <u>Tunde Sander</u>	Attention: <u>Same</u>	Attention: <u>Same</u>	Attention: <u>Same</u>		Attention: <u>Same</u>		<u>NAB5A6</u>		RUSH - Three Day ☐		NY ASP A Package	
E-Mail Address: <u>TSander@lb6ct.com</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</u>		E-Mail Address: <u>Same</u>		<u>NAB5A6</u>		RUSH - Four Day ☐		NY ASP B Package	
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved. <u>Evan Foster</u> Name (printed) Samples Collected/Authorized By (Signature) <u>Evan Foster</u>			Matrix Codes		Volatiles		Semi-Volatiles		Full Lists		Miscellaneous	
			S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	8260 full 624 STARS list BTX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	Site Spec. Nissan Co. Suffolk Co. Ketones Oxygenates TCLP list CT RCP list Arom. only Halog. only App. IX list 8021B list	RCRA8 PP13 list TAL CT15 list TAGM list NIDEP list Total Dissolved SOLP/TCLP Inert Metals LIST Below	Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs NIDEP lower TAGM	Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterocyclics TOX BTU/b. Aquatic Tox TOC Adenos Silica				
Choose Analyses Needed from the Menu Above and Enter Below			Sample Matrix		Date Sampled		Sample Identification		Container Description(s)		Temperature on Receipt	
Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010) / Vols, 8260 List (EPA SW 846-8260) plus from 113			GW	6-23-16	NP2-6	WQ0623161200 NP2-6		300m, 2 plastic		3.6 °C		
Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010) / Vols, 8260 List (EPA SW 846-8260) plus from 113			GW	↓	NP2-7	WQ0623161205 NP2-7		300m, 2 plastic				
Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010) / Vols, 8260 List (EPA SW 846-8260) plus from 113			GW	↓	NP2-10	WQ0623161210 NP2-10		300m, 3 plastic				
Preservation (Check those Applicable)			Special Instructions		Field Filtered ☐		Lab to Filter ☐		BNO ☒ H ₂ SO ₄ ☒ NaOH ☐		Date/Time	
Samples Relinquished By <u>TSander</u>			Date/Time <u>6/24/16 8:00</u>		Date/Time <u>6/24/16 8:00</u>		Date/Time <u>6/24/16 8:00</u>		Date/Time <u>6/27/16 14:14</u>		Date/Time <u>6/27/16 14:14</u>	

APPENDIX II
JUNE 2016 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: 06/14/2016

Client Project ID: Rowe Industries

York Project (SDG) No.: 16F0388

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 06/14/2016
Client Project ID: Rowe Industries
York Project (SDG) No.: 16F0388

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 June 09, 2016 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>
16F0388-01	WQ060716:1300 FRW-1	Water	06/07/2016	06/09/2016
16F0388-02	WQ060716:1305 FRW-2	Water	06/07/2016	06/09/2016
16F0388-03	WQ060716:1310 FRW-3	Water	06/07/2016	06/09/2016
16F0388-04	WQ060716:1315 FRW-4	Water	06/07/2016	06/09/2016

General Notes for York Project (SDG) No.: 16F0388

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.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/14/2016





Sample Information

Client Sample ID: WQ060716:1300 FRW-1

York Sample ID: 16F0388-01

York Project (SDG) No.

16F0388

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

June 7, 2016 1:00 pm

Date Received

06/09/2016

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	06/10/2016 17:34	06/10/2016 20:30	SS
71-55-6	1,1,1-Trichloroethane	0.43	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
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	06/10/2016 17:34	06/10/2016 20:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
87-61-6	1,2,3-Trichlorobenzene	0.20	B, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS



Sample Information

Client Sample ID: WQ060716:1300 FRW-1

York Sample ID: 16F0388-01

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:00 pm

Date Received
06/09/2016

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	06/10/2016 17:34	06/10/2016 20:30	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
67-64-1	Acetone	1.3	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
156-59-2	cis-1,2-Dichloroethylene	3.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:30	SS



Sample Information

Client Sample ID: WQ060716:1300 FRW-1

York Sample ID: 16F0388-01

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:00 pm

Date Received
06/09/2016

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:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	06/10/2016 17:34 NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 NELAC-NY10854	06/10/2016 20:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	06/10/2016 17:34 NELAC-NY10854	06/10/2016 20:30	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
127-18-4	Tetrachloroethylene	57	J	ug/L	0.20	160	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
79-01-6	Trichloroethylene	1.6		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NELAC-NY10854,NJDEP	06/10/2016 20:30	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	06/10/2016 17:34 CTDOH,NJDEP	06/10/2016 20:30	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	100 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.0 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	79-122								



Sample Information

Client Sample ID: WQ060716:1305 FRW-2

York Sample ID: 16F0388-02

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:05 pm

Date Received
06/09/2016

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	06/10/2016 17:34	06/10/2016 20:55	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
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	06/10/2016 17:34	06/10/2016 20:55	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
87-61-6	1,2,3-Trichlorobenzene	0.24	B, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS



Sample Information

Client Sample ID: WQ060716:1305 FRW-2

York Sample ID: 16F0388-02

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:05 pm

Date Received
06/09/2016

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
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
67-64-1	Acetone	5.3	SCAL-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
74-87-3	Chloromethane	0.24	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
156-59-2	cis-1,2-Dichloroethylene	2.2		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS



Sample Information

Client Sample ID: WQ060716:1305 FRW-2

York Sample ID: 16F0388-02

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:05 pm

Date Received
06/09/2016

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
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/10/2016 17:34	06/10/2016 20:55	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/10/2016 17:34	06/10/2016 20:55	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
127-18-4	Tetrachloroethylene	39		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
79-01-6	Trichloroethylene	5.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/10/2016 17:34	06/10/2016 20:55	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	79-122								



Sample Information

Client Sample ID: WQ060716:1310 FRW-3

York Sample ID: 16F0388-03

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:10 pm

Date Received
06/09/2016

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	06/10/2016 17:34	06/10/2016 21:21	SS
71-55-6	1,1,1-Trichloroethane	0.29	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
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	06/10/2016 17:34	06/10/2016 21:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
95-63-6	1,2,4-Trimethylbenzene	0.68		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS



Sample Information

Client Sample ID: WQ060716:1310 FRW-3

York Sample ID: 16F0388-03

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:10 pm

Date Received
06/09/2016

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	06/10/2016 17:34	06/10/2016 21:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
67-64-1	Acetone	1.7	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
156-59-2	cis-1,2-Dichloroethylene	7.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
98-82-8	Isopropylbenzene	1.0		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS



Sample Information

Client Sample ID: WQ060716:1310 FRW-3

York Sample ID: 16F0388-03

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:10 pm

Date Received
06/09/2016

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	06/10/2016 17:34	06/10/2016 21:21	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
103-65-1	n-Propylbenzene	0.48	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/10/2016 17:34	06/10/2016 21:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/10/2016 17:34	06/10/2016 21:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
127-18-4	Tetrachloroethylene	54		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
79-01-6	Trichloroethylene	4.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/10/2016 17:34	06/10/2016 21:21	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	112 %	79-122								



Sample Information

Client Sample ID: WQ060716:1315 FRW-4

York Sample ID: 16F0388-04

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:15 pm

Date Received
06/09/2016

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	06/10/2016 17:34	06/10/2016 21:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
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	06/10/2016 17:34	06/10/2016 21:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS



Sample Information

Client Sample ID: WQ060716:1315 FRW-4

York Sample ID: 16F0388-04

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:15 pm

Date Received
06/09/2016

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
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
67-64-1	Acetone	1.2	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
156-59-2	cis-1,2-Dichloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS



Sample Information

Client Sample ID: WQ060716:1315 FRW-4

York Sample ID: 16F0388-04

York Project (SDG) No.
16F0388

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 7, 2016 1:15 pm

Date Received
06/09/2016

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
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/10/2016 17:34	06/10/2016 21:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/10/2016 17:34	06/10/2016 21:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
127-18-4	Tetrachloroethylene	8.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
79-01-6	Trichloroethylene	0.91		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/10/2016 17:34	06/10/2016 21:46	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	97.7 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	109 %	79-122								



Analytical Batch Summary

Batch ID: BF60583

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
16F0388-01	WQ060716:1300 FRW-1	06/10/16
16F0388-02	WQ060716:1305 FRW-2	06/10/16
16F0388-03	WQ060716:1310 FRW-3	06/10/16
16F0388-04	WQ060716:1315 FRW-4	06/10/16
BF60583-BLK1	Blank	06/10/16
BF60583-BS1	LCS	06/10/16
BF60583-BSD1	LCS Dup	06/10/16



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 BF60583 - EPA 5030B											
Blank (BF60583-BLK1)										Prepared & Analyzed: 06/10/2016	
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	0.76	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.34	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	1.4	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	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	0.26	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	"								



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 BF60583 - EPA 5030B

Blank (BF60583-BLK1)

Prepared & Analyzed: 06/10/2016

p- & m- Xylenes	ND	1.0	ug/L								
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>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.97</i>		<i>"</i>	<i>10.0</i>		<i>99.7</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>79-122</i>				

LCS (BF60583-BS1)

Prepared & Analyzed: 06/10/2016

1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126				
1,1,1-Trichloroethane	10.4		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.83		"	10.0		88.3	54-165				
1,1,2-Trichloroethane	10.7		"	10.0		107	82-123				
1,1-Dichloroethane	11.0		"	10.0		110	82-129				
1,1-Dichloroethylene	9.99		"	10.0		99.9	68-138				
1,1-Dichloropropylene	9.89		"	10.0		98.9	83-133				
1,2,3-Trichlorobenzene	11.3		"	10.0		113	76-136				
1,2,3-Trichloropropane	10.9		"	10.0		109	77-128				
1,2,4-Trichlorobenzene	11.0		"	10.0		110	76-137				
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132				
1,2-Dibromo-3-chloropropane	10.3		"	10.0		103	45-147				
1,2-Dibromoethane	10.8		"	10.0		108	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	10.8		"	10.0		108	73-132				
1,2-Dichloropropane	10.7		"	10.0		107	78-126				
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131				
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122				
1,3-Dichloropropane	10.9		"	10.0		109	81-125				
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124				
2,2-Dichloropropane	9.07		"	10.0		90.7	56-150				
2-Chlorotoluene	10.3		"	10.0		103	79-130				
2-Hexanone	10.5		"	10.0		105	51-146				
4-Chlorotoluene	10.4		"	10.0		104	79-128				
Acetone	9.19		"	10.0		91.9	14-150				
Benzene	10.8		"	10.0		108	85-126				
Bromobenzene	11.0		"	10.0		110	78-129				
Bromochloromethane	11.8		"	10.0		118	77-128				
Bromodichloromethane	11.1		"	10.0		111	79-128				
Bromoform	10.9		"	10.0		109	78-133				
Bromomethane	9.14		"	10.0		91.4	43-168				
Carbon tetrachloride	10.2		"	10.0		102	77-141				
Chlorobenzene	10.4		"	10.0		104	88-120				



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 BF60583 - EPA 5030B

LCS (BF60583-BS1)

Prepared & Analyzed: 06/10/2016

Chloroethane	9.59		ug/L	10.0		95.9	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	8.70		"	10.0		87.0	43-155				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	11.0		"	10.0		110	72-134				
Dichlorodifluoromethane	7.54		"	10.0		75.4	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	9.92		"	10.0		99.2	67-146				
Isopropylbenzene	10.1		"	10.0		101	76-140				
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135				
Methylene chloride	10.2		"	10.0		102	55-137				
Naphthalene	11.3		"	10.0		113	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	21.8		"	20.0		109	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	9.81		"	10.0		98.1	79-137				
Styrene	11.6		"	10.0		116	67-132				
tert-Butylbenzene	10.1		"	10.0		101	77-138				
Tetrachloroethylene	9.56		"	10.0		95.6	82-131				
Toluene	10.7		"	10.0		107	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	9.41		"	10.0		94.1	67-139				
Vinyl Chloride	9.10		"	10.0		91.0	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	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 BF60583 - EPA 5030B											
LCS Dup (BF60583-BSD1)						Prepared & Analyzed: 06/10/2016					
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		1.00	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	78-136		1.14	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129		0.273	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.08		"	10.0		90.8	54-165		2.79	30	
1,1,2-Trichloroethane	10.9		"	10.0		109	82-123		1.85	30	
1,1-Dichloroethane	11.0		"	10.0		110	82-129		0.727	30	
1,1-Dichloroethylene	10.0		"	10.0		100	68-138		0.300	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		2.69	30	
1,2,3-Trichlorobenzene	12.1		"	10.0		121	76-136		7.18	30	
1,2,3-Trichloropropane	10.9		"	10.0		109	77-128		0.459	30	
1,2,4-Trichlorobenzene	11.5		"	10.0		115	76-137		4.18	30	
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132		1.53	30	
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	45-147		2.77	30	
1,2-Dibromoethane	10.9		"	10.0		109	83-124		1.11	30	
1,2-Dichlorobenzene	10.5		"	10.0		105	79-123		2.11	30	
1,2-Dichloroethane	11.0		"	10.0		110	73-132		1.65	30	
1,2-Dichloropropane	10.7		"	10.0		107	78-126		0.375	30	
1,3,5-Trimethylbenzene	11.1		"	10.0		111	80-131		1.54	30	
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122		1.91	30	
1,3-Dichloropropane	11.0		"	10.0		110	81-125		0.731	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124		2.03	30	
2,2-Dichloropropane	9.08		"	10.0		90.8	56-150		0.110	30	
2-Chlorotoluene	10.5		"	10.0		105	79-130		1.44	30	
2-Hexanone	10.6		"	10.0		106	51-146		0.663	30	
4-Chlorotoluene	10.6		"	10.0		106	79-128		1.81	30	
Acetone	8.79		"	10.0		87.9	14-150		4.45	30	
Benzene	10.9		"	10.0		109	85-126		0.832	30	
Bromobenzene	11.3		"	10.0		113	78-129		3.32	30	
Bromochloromethane	11.8		"	10.0		118	77-128		0.254	30	
Bromodichloromethane	11.2		"	10.0		112	79-128		0.629	30	
Bromoform	11.0		"	10.0		110	78-133		1.09	30	
Bromomethane	9.58		"	10.0		95.8	43-168		4.70	30	
Carbon tetrachloride	10.4		"	10.0		104	77-141		2.32	30	
Chlorobenzene	10.4		"	10.0		104	88-120		0.0963	30	
Chloroethane	9.80		"	10.0		98.0	65-136		2.17	30	
Chloroform	11.1		"	10.0		111	82-128		0.907	30	
Chloromethane	8.85		"	10.0		88.5	43-155		1.71	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		0.472	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131		0.0952	30	
Dibromochloromethane	10.9		"	10.0		109	80-130		0.644	30	
Dibromomethane	11.0		"	10.0		110	72-134		0.0910	30	
Dichlorodifluoromethane	7.72		"	10.0		77.2	44-144		2.36	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		0.185	30	
Hexachlorobutadiene	10.5		"	10.0		105	67-146		5.87	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		2.54	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135		1.55	30	
Methylene chloride	10.4		"	10.0		104	55-137		1.17	30	
Naphthalene	11.8		"	10.0		118	70-147		4.94	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		2.38	30	
n-Propylbenzene	10.4		"	10.0		104	78-133		1.95	30	
o-Xylene	10.4		"	10.0		104	78-130		0.290	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 BF60583 - EPA 5030B

LCS Dup (BF60583-BSD1)

Prepared & Analyzed: 06/10/2016

p- & m- Xylenes	21.7		ug/L	20.0		109	77-133		0.230	30	
p-Isopropyltoluene	10.8		"	10.0		108	81-136		1.86	30	
sec-Butylbenzene	10.1		"	10.0		101	79-137		2.62	30	
Styrene	11.7		"	10.0		117	67-132		0.602	30	
tert-Butylbenzene	10.4		"	10.0		104	77-138		2.35	30	
Tetrachloroethylene	9.82		"	10.0		98.2	82-131		2.68	30	
Toluene	10.7		"	10.0		107	80-127		0.00	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		0.760	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		0.755	30	
Trichloroethylene	10.2		"	10.0		102	82-128		0.196	30	
Trichlorofluoromethane	9.71		"	10.0		97.1	67-139		3.14	30	
Vinyl Chloride	9.32		"	10.0		93.2	58-145		2.39	30	
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130				
Surrogate: Toluene-d8	9.94		"	10.0		99.4	81-117				
Surrogate: p-Bromofluorobenzene	10.1		"	10.0		101	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16F0388-01	WQ060716:1300 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0388-02	WQ060716:1305 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0388-03	WQ060716:1310 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
16F0388-04	WQ060716:1315 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
*	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.

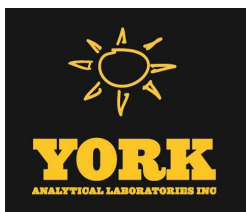
For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic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

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

Sid. Terms & Conditions are listed on the back side of this document. Your written authorization to York to proceed with the analyses requested and your signature binds you to York's Sid. Terms & Conditions.

Page 24 of 24

(RW & FRW)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 07/01/2016

Client Project ID: Rowe Industries

York Project (SDG) No.: 16F0994

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 07/01/2016
Client Project ID: Rowe Industries
York Project (SDG) No.: 16F0994

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 June 27, 2016 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>
16F0994-01	WQ062316:1330NP1-1-2	Water	06/23/2016	06/27/2016

General Notes for York Project (SDG) No.: 16F0994

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.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 07/01/2016





Sample Information

Client Sample ID: WQ062316:1330NP1-1-2

York Sample ID: 16F0994-01

York Project (SDG) No.

16F0994

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

June 23, 2016 1:30 pm

Date Received

06/27/2016

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	06/30/2016 16:45	07/01/2016 00:00	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	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	06/30/2016 16:45	07/01/2016 00:00	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK



Sample Information

Client Sample ID: WQ062316:1330NP1-1-2

York Sample ID: 16F0994-01

York Project (SDG) No.
16F0994

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 1:30 pm

Date Received
06/27/2016

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	06/30/2016 16:45	07/01/2016 00:00	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK



Sample Information

Client Sample ID: WQ062316:1330NP1-1-2

York Sample ID: 16F0994-01

York Project (SDG) No.
16F0994

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 23, 2016 1:30 pm

Date Received
06/27/2016

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
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	06/30/2016 16:45	07/01/2016 00:00	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	06/30/2016 16:45	07/01/2016 00:00	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
127-18-4	Tetrachloroethylene	0.26	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
79-01-6	Trichloroethylene	0.34	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	06/30/2016 16:45	07/01/2016 00:00	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.3 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	108 %	79-122								



Analytical Batch Summary

Batch ID: BF61571

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
16F0994-01	WQ062316:1330NP1-1-2	06/30/16
BF61571-BLK1	Blank	06/30/16
BF61571-BS1	LCS	06/30/16
BF61571-BSD1	LCS Dup	06/30/16



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 BF61571 - EPA 5030B											
Blank (BF61571-BLK1)										Prepared & Analyzed: 06/30/2016	
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	1.2	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	2.7	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	"								
o-Xylene	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 BF61571 - EPA 5030B

Blank (BF61571-BLK1)

Prepared & Analyzed: 06/30/2016

p- & m- Xylenes	ND	1.0	ug/L
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	9.57	"	10.0	95.7	69-130
Surrogate: Toluene-d8	9.85	"	10.0	98.5	81-117
Surrogate: p-Bromofluorobenzene	10.5	"	10.0	105	79-122

LCS (BF61571-BS1)

Prepared & Analyzed: 06/30/2016

1,1,1,2-Tetrachloroethane	10.2	ug/L	10.0	102	82-126
1,1,1-Trichloroethane	11.1	"	10.0	111	78-136
1,1,2,2-Tetrachloroethane	10.6	"	10.0	106	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.45	"	10.0	94.5	54-165
1,1,2-Trichloroethane	10.3	"	10.0	103	82-123
1,1-Dichloroethane	12.0	"	10.0	120	82-129
1,1-Dichloroethylene	10.6	"	10.0	106	68-138
1,1-Dichloropropylene	10.8	"	10.0	108	83-133
1,2,3-Trichlorobenzene	10.3	"	10.0	103	76-136
1,2,3-Trichloropropane	10.2	"	10.0	102	77-128
1,2,4-Trichlorobenzene	10.4	"	10.0	104	76-137
1,2,4-Trimethylbenzene	10.9	"	10.0	109	82-132
1,2-Dibromo-3-chloropropane	11.2	"	10.0	112	45-147
1,2-Dibromoethane	10.3	"	10.0	103	83-124
1,2-Dichlorobenzene	9.67	"	10.0	96.7	79-123
1,2-Dichloroethane	11.0	"	10.0	110	73-132
1,2-Dichloropropane	10.6	"	10.0	106	78-126
1,3,5-Trimethylbenzene	10.7	"	10.0	107	80-131
1,3-Dichlorobenzene	9.80	"	10.0	98.0	86-122
1,3-Dichloropropane	10.6	"	10.0	106	81-125
1,4-Dichlorobenzene	9.73	"	10.0	97.3	85-124
2,2-Dichloropropane	11.1	"	10.0	111	56-150
2-Chlorotoluene	10.4	"	10.0	104	79-130
2-Hexanone	10.4	"	10.0	104	51-146
4-Chlorotoluene	10.3	"	10.0	103	79-128
Acetone	12.8	"	10.0	128	14-150
Benzene	11.1	"	10.0	111	85-126
Bromobenzene	11.0	"	10.0	110	78-129
Bromochloromethane	11.6	"	10.0	116	77-128
Bromodichloromethane	10.9	"	10.0	109	79-128
Bromoform	10.1	"	10.0	101	78-133
Bromomethane	6.89	"	10.0	68.9	43-168
Carbon tetrachloride	10.7	"	10.0	107	77-141
Chlorobenzene	9.86	"	10.0	98.6	88-120



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 BF61571 - EPA 5030B

LCS (BF61571-BS1)

Prepared & Analyzed: 06/30/2016

Chloroethane	10.4		ug/L	10.0		104	65-136				
Chloroform	11.1		"	10.0		111	82-128				
Chloromethane	5.79		"	10.0		57.9	43-155				
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	80-131				
Dibromochloromethane	10.0		"	10.0		100	80-130				
Dibromomethane	10.5		"	10.0		105	72-134				
Dichlorodifluoromethane	9.52		"	10.0		95.2	44-144				
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	9.46		"	10.0		94.6	67-146				
Isopropylbenzene	10.2		"	10.0		102	76-140				
Methyl tert-butyl ether (MTBE)	11.8		"	10.0		118	76-135				
Methylene chloride	10.3		"	10.0		103	55-137				
Naphthalene	10.8		"	10.0		108	70-147				
n-Butylbenzene	10.8		"	10.0		108	79-132				
n-Propylbenzene	10.4		"	10.0		104	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	21.5		"	20.0		108	77-133				
p-Isopropyltoluene	10.7		"	10.0		107	81-136				
sec-Butylbenzene	9.90		"	10.0		99.0	79-137				
Styrene	11.3		"	10.0		113	67-132				
tert-Butylbenzene	9.82		"	10.0		98.2	77-138				
Tetrachloroethylene	10.2		"	10.0		102	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	80-132				
trans-1,3-Dichloropropylene	11.0		"	10.0		110	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	10.2		"	10.0		102	67-139				
Vinyl Chloride	8.15		"	10.0		81.5	58-145				
Surrogate: 1,2-Dichloroethane-d4	9.93		"	10.0		99.3	69-130				
Surrogate: Toluene-d8	9.70		"	10.0		97.0	81-117				
Surrogate: p-Bromofluorobenzene	10.3		"	10.0		103	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 BF61571 - EPA 5030B											
LCS Dup (BF61571-BSD1)						Prepared & Analyzed: 06/30/2016					
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		6.25	30	
1,1,1-Trichloroethane	11.8		"	10.0		118	78-136		5.42	30	
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	76-129		2.33	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165		6.95	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123		3.34	30	
1,1-Dichloroethane	12.6		"	10.0		126	82-129		5.44	30	
1,1-Dichloroethylene	11.2		"	10.0		112	68-138		5.67	30	
1,1-Dichloropropylene	11.5		"	10.0		115	83-133		6.01	30	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136		4.44	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		3.18	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137		4.50	30	
1,2,4-Trimethylbenzene	11.3		"	10.0		113	82-132		3.43	30	
1,2-Dibromo-3-chloropropane	11.4		"	10.0		114	45-147		1.85	30	
1,2-Dibromoethane	10.8		"	10.0		108	83-124		4.36	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		3.36	30	
1,2-Dichloroethane	11.3		"	10.0		113	73-132		2.77	30	
1,2-Dichloropropane	11.3		"	10.0		113	78-126		6.03	30	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		4.67	30	
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122		3.21	30	
1,3-Dichloropropane	11.0		"	10.0		110	81-125		3.33	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124		4.03	30	
2,2-Dichloropropane	11.5		"	10.0		115	56-150		3.18	30	
2-Chlorotoluene	10.8		"	10.0		108	79-130		3.59	30	
2-Hexanone	10.9		"	10.0		109	51-146		4.49	30	
4-Chlorotoluene	10.6		"	10.0		106	79-128		2.97	30	
Acetone	13.0		"	10.0		130	14-150		1.47	30	
Benzene	11.7		"	10.0		117	85-126		5.00	30	
Bromobenzene	11.3		"	10.0		113	78-129		2.70	30	
Bromochloromethane	12.0		"	10.0		120	77-128		3.30	30	
Bromodichloromethane	11.3		"	10.0		113	79-128		3.60	30	
Bromoform	10.5		"	10.0		105	78-133		4.07	30	
Bromomethane	7.65		"	10.0		76.5	43-168		10.5	30	
Carbon tetrachloride	11.3		"	10.0		113	77-141		5.29	30	
Chlorobenzene	10.4		"	10.0		104	88-120		5.52	30	
Chloroethane	10.2		"	10.0		102	65-136		1.55	30	
Chloroform	11.6		"	10.0		116	82-128		4.66	30	
Chloromethane	6.33		"	10.0		63.3	43-155		8.91	30	
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129		5.33	30	
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131		4.26	30	
Dibromochloromethane	10.6		"	10.0		106	80-130		4.95	30	
Dibromomethane	10.9		"	10.0		109	72-134		3.66	30	
Dichlorodifluoromethane	9.92		"	10.0		99.2	44-144		4.12	30	
Ethyl Benzene	11.5		"	10.0		115	80-131		5.89	30	
Hexachlorobutadiene	9.71		"	10.0		97.1	67-146		2.61	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		2.89	30	
Methyl tert-butyl ether (MTBE)	12.4		"	10.0		124	76-135		5.54	30	
Methylene chloride	10.8		"	10.0		108	55-137		5.21	30	
Naphthalene	11.2		"	10.0		112	70-147		3.55	30	
n-Butylbenzene	11.3		"	10.0		113	79-132		4.07	30	
n-Propylbenzene	10.8		"	10.0		108	78-133		3.69	30	
o-Xylene	10.8		"	10.0		108	78-130		4.82	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

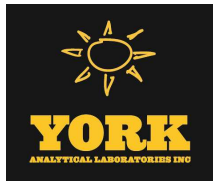
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF61571 - EPA 5030B

LCS Dup (BF61571-BSD1)

Prepared & Analyzed: 06/30/2016

p- & m- Xylenes	22.7		ug/L	20.0		114	77-133		5.34	30
p-Isopropyltoluene	11.0		"	10.0		110	81-136		3.05	30
sec-Butylbenzene	10.4		"	10.0		104	79-137		5.12	30
Styrene	11.8		"	10.0		118	67-132		3.99	30
tert-Butylbenzene	10.3		"	10.0		103	77-138		4.67	30
Tetrachloroethylene	10.7		"	10.0		107	82-131		4.99	30
Toluene	11.1		"	10.0		111	80-127		4.43	30
trans-1,2-Dichloroethylene	11.5		"	10.0		115	80-132		6.27	30
trans-1,3-Dichloropropylene	11.4		"	10.0		114	78-131		3.31	30
Trichloroethylene	10.7		"	10.0		107	82-128		5.28	30
Trichlorofluoromethane	10.9		"	10.0		109	67-139		7.13	30
Vinyl Chloride	8.80		"	10.0		88.0	58-145		7.67	30
Surrogate: 1,2-Dichloroethane-d4	10.0		"	10.0		100	69-130			
Surrogate: Toluene-d8	9.68		"	10.0		96.8	81-117			
Surrogate: p-Bromofluorobenzene	10.2		"	10.0		102	79-122			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
16F0994-01	WQ062316:1330NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

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

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

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

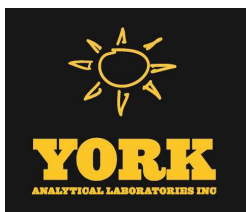
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

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

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

APPENDIX III
JUNE 2016 LABORATORY ANALYTICAL REPORTS
FOR AIR SAMPLES



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 07/05/2016

Client Project ID: Rowe Industries

York Project (SDG) No.: 16F0996

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 07/05/2016
Client Project ID: Rowe Industries
York Project (SDG) No.: 16F0996

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 June 27, 2016 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>
16F0996-01	AQ062316:1240NP4-1	Vapor Extraction	06/23/2016	06/27/2016
16F0996-02	AQ062316:1245NP4-2	Vapor Extraction	06/23/2016	06/27/2016
16F0996-03	AQ062316:1250NP4-3	Vapor Extraction	06/23/2016	06/27/2016

General Notes for York Project (SDG) No.: 16F0996

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.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 07/05/2016





Sample Information

Client Sample ID: AQ062316:1240NP4-1

York Sample ID: 16F0996-01

York Project (SDG) No.

16F0996

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

June 23, 2016 12:40 pm

Date Received

06/27/2016

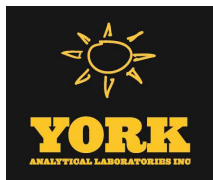
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	0.82		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
71-55-6	1,1,1-Trichloroethane	0.71		ug/m ³	0.55	0.55	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
79-34-5	1,1,2,2-Tetrachloroethane	0.89		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.5		ug/m ³	0.77	0.77	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
75-34-3	1,1-Dichloroethane	0.53		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
75-35-4	1,1-Dichloroethylene	0.48		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.74	0.74	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
95-63-6	1,2,4-Trimethylbenzene	0.88		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
106-93-4	1,2-Dibromoethane	0.77		ug/m ³	0.77	0.77	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
95-50-1	1,2-Dichlorobenzene	0.78		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
107-06-2	1,2-Dichloroethane	0.57		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	0.98		ug/m ³	0.70	0.70	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
108-67-8	1,3,5-Trimethylbenzene	0.79		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.66	0.66	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
541-73-1	1,3-Dichlorobenzene	0.72		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
142-28-9	* 1,3-Dichloropropane	0.55		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
106-46-7	1,4-Dichlorobenzene	0.72		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.72	0.72	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
78-93-3	2-Butanone	0.94		ug/m ³	0.29	0.29	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS



Sample Information

Client Sample ID: AQ062316:1240NP4-1

York Sample ID: 16F0996-01

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:40 pm

Date Received
06/27/2016

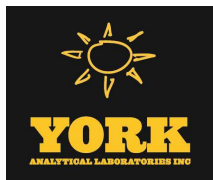
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	0.90		ug/m ³	0.82	0.82	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	1.6	1.6	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
108-10-1	4-Methyl-2-pentanone	0.78		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
67-64-1	Acetone	10		ug/m ³	0.48	0.48	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
107-13-1	Acrylonitrile	0.37		ug/m ³	0.22	0.22	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
71-43-2	Benzene	1.4		ug/m ³	0.32	0.32	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.52	0.52	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
75-27-4	Bromodichloromethane	0.80		ug/m ³	0.67	0.67	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
75-25-2	Bromoform	1.0		ug/m ³	1.0	1.0	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
75-15-0	Carbon disulfide	0.53		ug/m ³	0.31	0.31	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
56-23-5	Carbon tetrachloride	1.3		ug/m ³	0.16	0.16	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
108-90-7	Chlorobenzene	0.60		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.26	0.26	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
67-66-3	Chloroform	0.78		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
74-87-3	Chloromethane	1.3		ug/m ³	0.21	0.21	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
156-59-2	cis-1,2-Dichloroethylene	0.52		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
10061-01-5	cis-1,3-Dichloropropylene	0.59		ug/m ³	0.45	0.45	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
110-82-7	Cyclohexane	0.45		ug/m ³	0.34	0.34	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
124-48-1	Dibromochloromethane	0.85		ug/m ³	0.85	0.85	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.72	0.72	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 11:36	LDS



Sample Information

Client Sample ID: AQ062316:1240NP4-1

York Sample ID: 16F0996-01

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:40 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	0.91		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
67-63-0	Isopropanol	ND		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	0.47		ug/m ³	0.36	0.36	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
75-09-2	Methylene chloride	1.5		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
142-82-5	n-Heptane	0.70		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
110-54-3	n-Hexane	1.3		ug/m ³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
95-47-6	o-Xylene	0.96		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
179601-23-1	p- & m- Xylenes	2.4		ug/m ³	0.87	0.87	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
622-96-8	* p-Ethyltoluene	0.88		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
115-07-1	* Propylene	0.88		ug/m ³	0.17	0.17	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
100-42-5	Styrene	0.72		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
127-18-4	Tetrachloroethylene	1.2		ug/m ³	0.17	0.17	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.59	0.59	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
108-88-3	Toluene	1.7		ug/m ³	0.38	0.38	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
156-60-5	trans-1,2-Dichloroethylene	0.48		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
79-01-6	Trichloroethylene	0.70		ug/m ³	0.13	0.13	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.9		ug/m ³	0.56	0.56	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.44	0.44	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS



Sample Information

Client Sample ID: AQ062316:1240NP4-1

York Sample ID: 16F0996-01

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:40 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 11:36	LDS
Surrogate Recoveries		Result		Acceptance Range							
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	104 %				72-118					

Sample Information

Client Sample ID: AQ062316:1245NP4-2

York Sample ID: 16F0996-02

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:45 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 12:30	LDS
71-55-6	1,1,1-Trichloroethane	1.3		ug/m ³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.74	0.74	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.70	0.70	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS



Sample Information

Client Sample ID: AQ062316:1245NP4-2

York Sample ID: 16F0996-02

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:45 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.66	0.66	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 12:30	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.72	0.72	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
78-93-3	2-Butanone	1.9		ug/m ³	0.29	0.29	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
591-78-6	* 2-Hexanone	1.4		ug/m ³	0.82	0.82	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 12:30	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	1.6	1.6	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
67-64-1	Acetone	11		ug/m ³	0.48	0.48	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.22	0.22	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
71-43-2	Benzene	0.83		ug/m ³	0.32	0.32	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.52	0.52	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.67	0.67	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-25-2	Bromoform	ND		ug/m ³	1.0	1.0	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	0.31	0.31	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.16	0.16	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
67-66-3	Chloroform	0.59		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
74-87-3	Chloromethane	1.3		ug/m ³	0.21	0.21	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS



Sample Information

Client Sample ID: AQ062316:1245NP4-2

York Sample ID: 16F0996-02

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:45 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-59-2	cis-1,2-Dichloroethylene	2.3		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.34	0.34	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	0.85	0.85	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-71-8	Dichlorodifluoromethane	3.0		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.72	0.72	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 12:30	LDS
100-41-4	Ethyl Benzene	ND		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
67-63-0	Isopropanol	ND		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.36	0.36	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-09-2	Methylene chloride	1.3		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
110-54-3	n-Hexane	0.85		ug/m ³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
95-47-6	o-Xylene	0.52		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
179601-23-1	p- & m- Xylenes	1.5		ug/m ³	0.87	0.87	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 12:30	LDS
115-07-1	* Propylene	1.1		ug/m ³	0.17	0.17	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 12:30	LDS
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
127-18-4	Tetrachloroethylene	1.4		ug/m ³	0.17	0.17	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.59	0.59	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 12:30	LDS
108-88-3	Toluene	1.3		ug/m ³	0.38	0.38	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS



Sample Information

Client Sample ID: AQ062316:1245NP4-2

York Sample ID: 16F0996-02

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:45 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
79-01-6	Trichloroethylene	0.86		ug/m ³	0.13	0.13	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.56	0.56	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.44	0.44	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 12:30	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	105 %	72-118								

Sample Information

Client Sample ID: AQ062316:1250NP4-3

York Sample ID: 16F0996-03

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:50 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 13:24	LDS
71-55-6	1,1,1-Trichloroethane	2.3		ug/m ³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.74	0.74	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
95-63-6	1,2,4-Trimethylbenzene	0.64		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS



Sample Information

Client Sample ID: AQ062316:1250NP4-3

York Sample ID: 16F0996-03

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:50 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.77	0.77	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.70	0.70	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	0.66	0.66	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.60	0.60	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	0.72	0.72	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
78-93-3	2-Butanone	1.2		ug/m ³	0.29	0.29	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
591-78-6	* 2-Hexanone	ND		ug/m ³	0.82	0.82	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	1.6	1.6	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
108-10-1	4-Methyl-2-pentanone	0.45		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
67-64-1	Acetone	11		ug/m ³	0.48	0.48	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.22	0.22	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
71-43-2	Benzene	0.80		ug/m ³	0.32	0.32	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.52	0.52	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	0.67	0.67	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-25-2	Bromoform	ND		ug/m ³	1.0	1.0	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-15-0	Carbon disulfide	ND		ug/m ³	0.31	0.31	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS



Sample Information

Client Sample ID: AQ062316:1250NP4-3

York Sample ID: 16F0996-03

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:50 pm

Date Received
06/27/2016

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.16	0.16	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.46	0.46	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
67-66-3	Chloroform	0.54		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
74-87-3	Chloromethane	1.4		ug/m ³	0.21	0.21	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
156-59-2	cis-1,2-Dichloroethylene	2.1		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.34	0.34	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	0.85	0.85	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-71-8	Dichlorodifluoromethane	3.2		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	0.72	0.72	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 13:24	LDS
100-41-4	Ethyl Benzene	0.52		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
67-63-0	Isopropanol	ND		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.36	0.36	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-09-2	Methylene chloride	1.6		ug/m ³	0.69	0.69	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
142-82-5	n-Heptane	ND		ug/m ³	0.41	0.41	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
110-54-3	n-Hexane	0.99		ug/m ³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
95-47-6	o-Xylene	0.65		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
179601-23-1	p- & m- Xylenes	2.0		ug/m ³	0.87	0.87	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
622-96-8	* p-Ethyltoluene	0.54		ug/m ³	0.49	0.49	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 13:24	LDS
115-07-1	* Propylene	1.3		ug/m ³	0.17	0.17	1	EPA TO-15 Certifications:	06/29/2016 08:45	06/29/2016 13:24	LDS



Sample Information

Client Sample ID: AQ062316:1250NP4-3

York Sample ID: 16F0996-03

York Project (SDG) No.
16F0996

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
June 23, 2016 12:50 pm

Date Received
06/27/2016

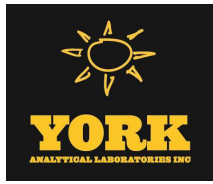
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
127-18-4	Tetrachloroethylene	ND		ug/m ³	0.17	0.17	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.59	0.59	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
108-88-3	Toluene	1.4		ug/m ³	0.38	0.38	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.45	0.45	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.13	0.13	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.56	0.56	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.35	0.35	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.44	0.44	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
75-01-4	Vinyl Chloride	ND		ug/m ³	0.26	0.26	1	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	06/29/2016 08:45	06/29/2016 13:24	LDS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	104 %	72-118								



Analytical Batch Summary

Batch ID: BF61464

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
16F0996-01	AQ062316:1240NP4-1	06/29/16
16F0996-02	AQ062316:1245NP4-2	06/29/16
16F0996-03	AQ062316:1250NP4-3	06/29/16
BF61464-BLK1	Blank	06/29/16
BF61464-BS1	LCS	06/29/16
BF61464-DUP1	Duplicate	06/29/16



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF61464 - EPA TO15 PREP

Blank (BF61464-BLK1)

Prepared & Analyzed: 06/29/2016

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³
1,1,1-Trichloroethane	ND	0.55	"
1,1,2,2-Tetrachloroethane	ND	0.69	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"
1,1,2-Trichloroethane	ND	0.55	"
1,1-Dichloroethane	ND	0.40	"
1,1-Dichloroethylene	ND	0.40	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2-Dibromoethane	ND	0.77	"
1,2-Dichlorobenzene	ND	0.60	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,3-Butadiene	ND	0.66	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Dichloropropane	ND	0.46	"
1,4-Dichlorobenzene	ND	0.60	"
1,4-Dioxane	ND	0.72	"
2-Butanone	ND	0.29	"
2-Hexanone	ND	0.82	"
3-Chloropropene	ND	1.6	"
4-Methyl-2-pentanone	ND	0.41	"
Acetone	ND	0.48	"
Acrylonitrile	ND	0.22	"
Benzene	ND	0.32	"
Benzyl chloride	ND	0.52	"
Bromodichloromethane	ND	0.67	"
Bromoform	ND	1.0	"
Bromomethane	ND	0.39	"
Carbon disulfide	ND	0.31	"
Carbon tetrachloride	ND	0.16	"
Chlorobenzene	ND	0.46	"
Chloroethane	ND	0.26	"
Chloroform	ND	0.49	"
Chloromethane	ND	0.21	"
cis-1,2-Dichloroethylene	ND	0.40	"
cis-1,3-Dichloropropylene	ND	0.45	"
Cyclohexane	ND	0.34	"
Dibromochloromethane	ND	0.85	"
Dichlorodifluoromethane	ND	0.49	"
Ethyl acetate	ND	0.72	"
Ethyl Benzene	ND	0.43	"
Hexachlorobutadiene	ND	1.1	"
Isopropanol	ND	0.49	"
Methyl Methacrylate	ND	0.41	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
Methylene chloride	ND	0.69	"
n-Heptane	ND	0.41	"
n-Hexane	ND	0.35	"



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF61464 - EPA TO15 PREP

Blank (BF61464-BLK1)

Prepared & Analyzed: 06/29/2016

o-Xylene	ND	0.43	ug/m ³
p- & m- Xylenes	ND	0.87	"
p-Ethyltoluene	ND	0.49	"
Propylene	ND	0.17	"
Styrene	ND	0.43	"
Tetrachloroethylene	ND	0.17	"
Tetrahydrofuran	ND	0.59	"
Toluene	ND	0.38	"
trans-1,2-Dichloroethylene	ND	0.40	"
trans-1,3-Dichloropropylene	ND	0.45	"
Trichloroethylene	ND	0.13	"
Trichlorofluoromethane (Freon 11)	ND	0.56	"
Vinyl acetate	ND	0.35	"
Vinyl bromide	ND	0.44	"
Vinyl Chloride	ND	0.26	"

Surrogate: *p*-Bromofluorobenzene 10.0 ppbv 10.0 100 72-118

LCS (BF61464-BS1)

Prepared & Analyzed: 06/29/2016

1,1,1,2-Tetrachloroethane	10.4	ppbv	10.0	104	82-126
1,1,1-Trichloroethane	10.6	"	10.0	106	70-130
1,1,2,2-Tetrachloroethane	10.6	"	10.0	106	70-130
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.71	"	10.0	97.1	70-130
1,1,2-Trichloroethane	10.4	"	10.0	104	70-130
1,1-Dichloroethane	10.2	"	10.0	102	70-130
1,1-Dichloroethylene	9.30	"	10.0	93.0	70-130
1,2,4-Trichlorobenzene	7.32	"	10.0	73.2	70-130
1,2,4-Trimethylbenzene	10.6	"	10.0	106	70-130
1,2-Dibromoethane	10.6	"	10.0	106	70-130
1,2-Dichlorobenzene	10.6	"	10.0	106	70-130
1,2-Dichloroethane	10.0	"	10.0	100	70-130
1,2-Dichloropropane	10.6	"	10.0	106	70-130
1,2-Dichlorotetrafluoroethane	9.86	"	10.0	98.6	70-130
1,3,5-Trimethylbenzene	10.8	"	10.0	108	70-130
1,3-Butadiene	9.68	"	10.0	96.8	70-130
1,3-Dichlorobenzene	10.6	"	10.0	106	70-130
1,3-Dichloropropane	10.4	"	10.0	104	70-130
1,4-Dichlorobenzene	10.6	"	10.0	106	70-130
1,4-Dioxane	10.4	"	10.0	104	70-130
2-Butanone	9.81	"	10.0	98.1	70-130
2-Hexanone	10.4	"	10.0	104	70-130
3-Chloropropene	10.9	"	10.0	109	70-130
4-Methyl-2-pentanone	10.6	"	10.0	106	70-130
Acetone	9.36	"	10.0	93.6	70-130
Acrylonitrile	9.67	"	10.0	96.7	70-130
Benzene	9.43	"	10.0	94.3	70-130
Benzyl chloride	9.73	"	10.0	97.3	70-130
Bromodichloromethane	11.0	"	10.0	110	70-130
Bromoform	11.2	"	10.0	112	70-130
Bromomethane	9.18	"	10.0	91.8	70-130
Carbon disulfide	10.8	"	10.0	108	70-130
Carbon tetrachloride	11.4	"	10.0	114	70-130
Chlorobenzene	10.5	"	10.0	105	70-130



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF61464 - EPA TO15 PREP

LCS (BF61464-BS1)

Prepared & Analyzed: 06/29/2016

Chloroethane	9.88		ppbv	10.0		98.8	70-130				
Chloroform	9.85		"	10.0		98.5	70-130				
Chloromethane	9.84		"	10.0		98.4	70-130				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
cis-1,3-Dichloropropylene	12.6		"	10.0		126	70-130				
Cyclohexane	10.0		"	10.0		100	70-130				
Dibromochloromethane	10.8		"	10.0		108	70-130				
Dichlorodifluoromethane	10.5		"	10.0		105	70-130				
Ethyl acetate	11.5		"	10.0		115	70-130				
Ethyl Benzene	10.8		"	10.0		108	70-130				
Hexachlorobutadiene	9.58		"	10.0		95.8	70-130				
Isopropanol	7.95		"	10.0		79.5	70-130				
Methyl Methacrylate	9.56		"	10.0		95.6	70-130				
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	70-130				
Methylene chloride	9.97		"	10.0		99.7	70-130				
n-Heptane	10.3		"	10.0		103	70-130				
n-Hexane	10.0		"	10.0		100	70-130				
o-Xylene	11.1		"	10.0		111	70-130				
p- & m- Xylenes	22.5		"	20.0		112	70-130				
p-Ethyltoluene	11.3		"	10.0		113	70-130				
Propylene	3.85		"	10.0		38.5	70-130	Low Bias			
Styrene	11.0		"	10.0		110	70-130				
Tetrachloroethylene	9.57		"	10.0		95.7	70-130				
Tetrahydrofuran	10.0		"	10.0		100	70-130				
Toluene	9.98		"	10.0		99.8	70-130				
trans-1,2-Dichloroethylene	10.4		"	10.0		104	70-130				
trans-1,3-Dichloropropylene	9.40		"	10.0		94.0	70-130				
Trichloroethylene	10.5		"	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	9.68		"	10.0		96.8	70-130				
Vinyl acetate	6.20		"	10.0		62.0	70-130	Low Bias			
Vinyl bromide	9.98		"	10.0		99.8	70-130				
Vinyl Chloride	9.87		"	10.0		98.7	70-130				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	72-118				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF61464 - EPA TO15 PREP											
Duplicate (BF61464-DUP1)	*Source sample: 16F0996-03 (AQ062316:1250NP4-3)						Prepared & Analyzed: 06/29/2016				
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³		ND					200	
1,1,1-Trichloroethane	2.2	0.55	"		2.3				4.76	25	
1,1,2,2-Tetrachloroethane	ND	0.69	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"		ND					25	
1,1,2-Trichloroethane	ND	0.55	"		ND					25	
1,1-Dichloroethane	ND	0.40	"		ND					25	
1,1-Dichloroethylene	ND	0.40	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.74	"		ND					25	
1,2,4-Trimethylbenzene	ND	0.49	"		0.64					25	
1,2-Dibromoethane	ND	0.77	"		ND					25	
1,2-Dichlorobenzene	ND	0.60	"		ND					25	
1,2-Dichloroethane	ND	0.40	"		ND					25	
1,2-Dichloropropane	ND	0.46	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.70	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.49	"		ND					25	
1,3-Butadiene	ND	0.66	"		ND					25	
1,3-Dichlorobenzene	ND	0.60	"		ND					25	
1,3-Dichloropropane	ND	0.46	"		ND					25	
1,4-Dichlorobenzene	ND	0.60	"		ND					25	
1,4-Dioxane	ND	0.72	"		ND					25	
2-Butanone	1.1	0.29	"		1.2				2.60	25	
2-Hexanone	ND	0.82	"		ND					25	
3-Chloropropene	ND	1.6	"		ND					25	
4-Methyl-2-pentanone	0.45	0.41	"		0.45				0.00	25	
Acetone	10	0.48	"		11				3.37	25	
Acrylonitrile	ND	0.22	"		ND					25	
Benzene	0.77	0.32	"		0.80				4.08	25	
Benzyl chloride	ND	0.52	"		ND					25	
Bromodichloromethane	ND	0.67	"		ND					25	
Bromoform	ND	1.0	"		ND					25	
Bromomethane	ND	0.39	"		ND					25	
Carbon disulfide	ND	0.31	"		ND					25	
Carbon tetrachloride	ND	0.16	"		ND					25	
Chlorobenzene	ND	0.46	"		ND					25	
Chloroethane	ND	0.26	"		ND					25	
Chloroform	0.54	0.49	"		0.54				0.00	25	
Chloromethane	1.3	0.21	"		1.4				8.96	25	
cis-1,2-Dichloroethylene	1.9	0.40	"		2.1				9.90	25	
cis-1,3-Dichloropropylene	ND	0.45	"		ND					25	
Cyclohexane	ND	0.34	"		ND					25	
Dibromochloromethane	ND	0.85	"		ND					25	
Dichlorodifluoromethane	3.0	0.49	"		3.2				4.80	25	
Ethyl acetate	ND	0.72	"		ND					25	
Ethyl Benzene	ND	0.43	"		0.52					25	
Hexachlorobutadiene	ND	1.1	"		ND					25	
Isopropanol	ND	0.49	"		ND					25	
Methyl Methacrylate	ND	0.41	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.36	"		ND					25	
Methylene chloride	1.6	0.69	"		1.6				0.00	25	
n-Heptane	ND	0.41	"		ND					25	
n-Hexane	0.99	0.35	"		0.99				0.00	25	



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF61464 - EPA TO15 PREP

Duplicate (BF61464-DUP1)	*Source sample: 16F0996-03 (AQ062316:1250NP4-3)							Prepared & Analyzed: 06/29/2016			
o-Xylene	0.52	0.43	ug/m ³		0.65				22.2	25	
p- & m- Xylenes	1.6	0.87	"		2.0				21.2	25	
p-Ethyltoluene	ND	0.49	"		0.54					25	
Propylene	1.1	0.17	"		1.3				16.1	25	
Styrene	ND	0.43	"		ND					25	
Tetrachloroethylene	ND	0.17	"		ND					25	
Tetrahydrofuran	ND	0.59	"		ND					25	
Toluene	1.3	0.38	"		1.4				11.1	25	
trans-1,2-Dichloroethylene	ND	0.40	"		ND					25	
trans-1,3-Dichloropropylene	ND	0.45	"		ND					25	
Trichloroethylene	ND	0.13	"		ND					25	
Trichlorofluoromethane (Freon 11)	1.1	0.56	"		1.2				4.88	25	
Vinyl acetate	ND	0.35	"		ND					25	
Vinyl bromide	ND	0.44	"		ND					25	
Vinyl Chloride	ND	0.26	"		ND					25	
<i>Surrogate: p-Bromofluorobenzene</i>	8.55		ppbv	10.0		85.5	72-118				



Notes and Definitions

QL-03	This LCS analyte recovered outside of acceptance limits. The LCS contains approximately 70 compounds, a limited number of which may be outside acceptance windows.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to detected analytes only.
*	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 - AIR

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 unless superseded by written contract.

York Project No. 16F0996

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company: <u>LOB</u>	Company: <u>Same</u>	Company: <u>Same</u>		Company: <u>Same</u>		Rush - Same Day ☐		Rush - Next Day ☐		Summary Report <u>X</u>	
Address: <u>4 Research Dr Suite 304</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>		Address: <u>Shelton, CT 06484</u>		Rush - Two Day ☐		Rush - Three Day ☐		Summary w/ QA Summary <u>X</u>	
Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>		Phone No. <u>203-929-8555</u>		Rush - Four Day ☐		Standard (5-7 Days) ☒		CT RCP Package <u>X</u>	
Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>		Contact Person: <u>Tunde Sander</u>		Standard Excel <u>X</u>		Regulatory Comparison Excel <u>X</u>		NY ASP A Package <u>X</u>	
E-Mail Address: <u>TSando@LOBCT.COM</u>	E-Mail Address: <u>TSando@LOBCT.COM</u>	E-Mail Address: <u>TSando@LOBCT.COM</u>		E-Mail Address: <u>TSando@LOBCT.COM</u>		Electronic Deliverables: <u>X</u>		Electronic Deliverables: <u>X</u>		NY ASP B/CLP Pkg <u>X</u>	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.		TO15 Volatiles and Other Gas Analyses		Electronics Deliverables	
EPA TO-15 List		EPA TO-14A List		EPA TO-15 List	
NYSDEC VI list		Tentatively Identified Compounds		NYSDEC VI Limits	
NYSDEC STARS List		Air VPH		NIDEF low level	
Project Specific List by TO-15		Helium		Routine Survey	
NIDEF Target List		Methane		Other	
CTDEP RCP Target List		OTHER			

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
AQ062316:1240 NP4-1	6-23-16	AE			EPA TO-15 List	6 Liter Summa canister
AQ062316:1245 NP4-2		AE				Tedlar Bag
AQ062316:1250 NP4-3		AE				6 Liter Summa canister
						Tedlar Bag
						6 Liter Summa canister
						Tedlar Bag
						6 Liter Summa canister
						Tedlar Bag
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						Tedlar Bag
						6 Liter Summa canister
						Tedlar Bag
						6 Liter Summa canister
						Tedlar Bag

Comments		Samples Relinquished By		Date/Time	
C.B. Field Ran 6/24/16 9:00		C.B. Field Ran 6/24/16 9:00		Date/Time	
Samples Received By		Samples Received in LAB by		Date/Time	
J. Sander 6/27/16 12:35		J. Sander 6/27/16 12:35		Date/Time	