

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	---	---
5-Oct-15	6.8	184	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.85	0.096
20-Oct-15	6.8	173	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	2.23	0.161

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

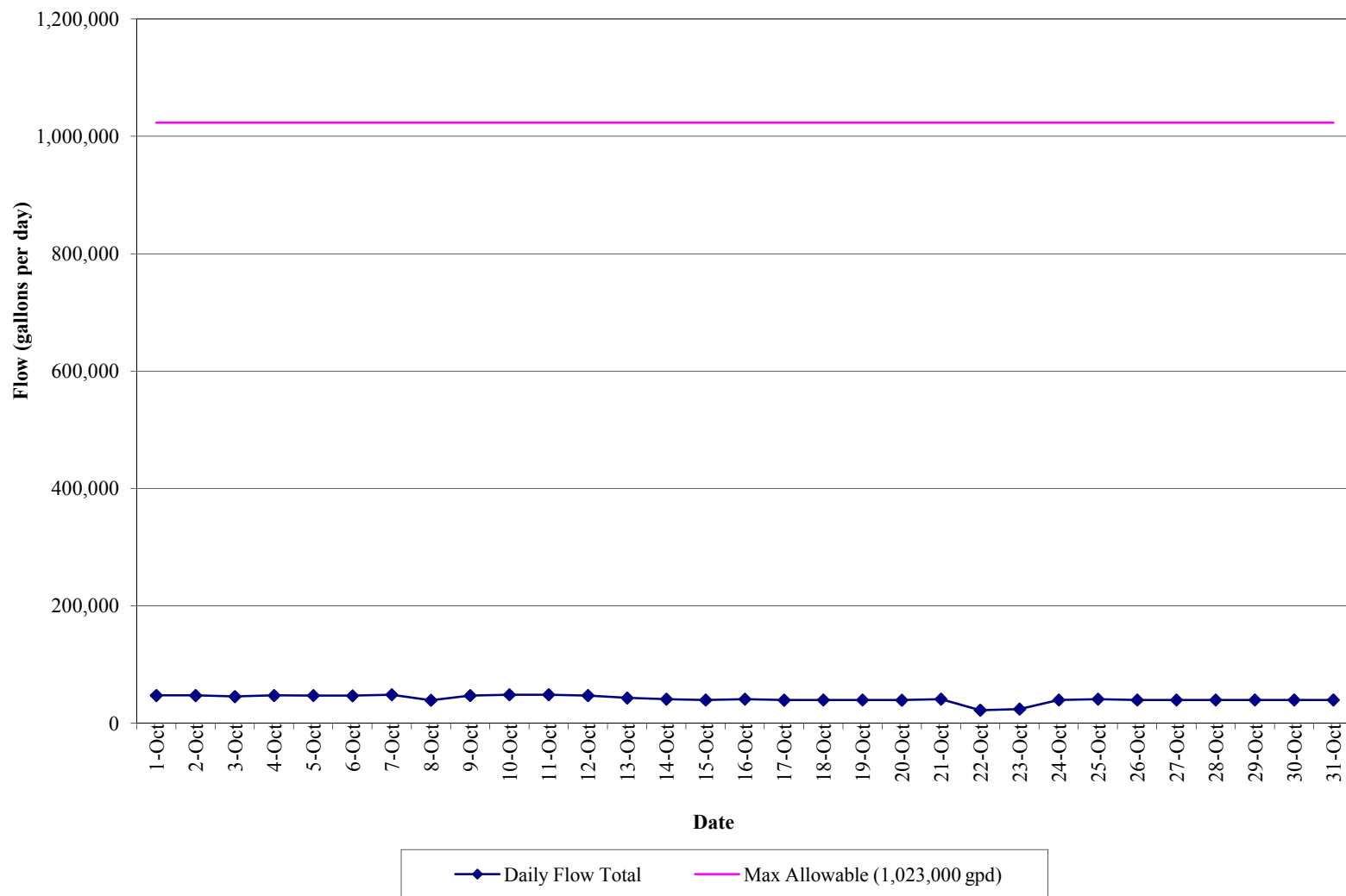
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

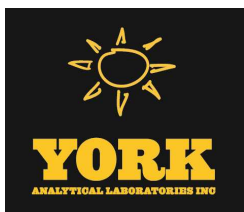
1. Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

Effluent Flow Data
(October 1, 2015 to October 31, 2015)



APPENDIX I
OCTOBER 2015 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: 10/14/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15J0274

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/14/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15J0274

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 October 07, 2015 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>
15J0274-01	WQ100515:1210 NP2-10	Water	10/05/2015	10/07/2015
15J0275-01	WQ100515:1200 NP2-6	Water	10/05/2015	10/07/2015
15J0275-02	WQ100515:1205 NP2-7	Water	10/05/2015	10/07/2015

General Notes for York Project (SDG) No.: 15J0274

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: 10/14/2015





Sample Information

Client Sample ID: WQ100515:1210 NP2-10

York Sample ID: 15J0274-01

York Project (SDG) No.

15J0274

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 5, 2015 12:10 pm

Date Received

10/07/2015

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:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	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:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 13:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 13:46	SS



Sample Information

Client Sample ID: WQ100515:1210 NP2-10

York Sample ID: 15J0274-01

York Project (SDG) No.
15J0274

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:10 pm

Date Received
10/07/2015

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	10/14/2015 08:41	10/14/2015 13:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS



Sample Information

Client Sample ID: WQ100515:1210 NP2-10

York Sample ID: 15J0274-01

York Project (SDG) No.
15J0274

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:10 pm

Date Received
10/07/2015

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	10/14/2015 08:41	10/14/2015 13:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 08:41	10/14/2015 13:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 08:41	10/14/2015 13:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/14/2015 08:41	10/14/2015 13:46	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	92.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	96.2 %	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	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	1.85		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/12/2015 14:53	10/12/2015 22:50	ALD



Sample Information

Client Sample ID: WQ100515:1210 NP2-10

York Sample ID: 15J0274-01

York Project (SDG) No.
15J0274

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:10 pm

Date Received
10/07/2015

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	0.0958		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2015 14:24	10/14/2015 01:41	ALD

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	184		mg/L	10.0	10.0	1	SM 2540C Certifications: NELAC-NY10854,CTDOH,NJDEP	10/08/2015 16:26	10/09/2015 19:39	AA

Sample Information

Client Sample ID: WQ100515:1200 NP2-6

York Sample ID: 15J0275-01

York Project (SDG) No.
15J0275

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:00 pm

Date Received
10/07/2015

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	10/14/2015 08:41	10/14/2015 15:19	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	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	10/14/2015 08:41	10/14/2015 15:19	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS



Sample Information

Client Sample ID: WQ100515:1200 NP2-6

York Sample ID: 15J0275-01

York Project (SDG) No.
15J0275

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:00 pm

Date Received
10/07/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
67-64-1	Acetone	ND	SCAL- E	ug/L	1.0	2.0	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/14/2015 08:41 CTDOH,NELAC-NY10854,NJDEP	10/14/2015 15:19	SS



Sample Information

Client Sample ID: WQ100515:1200 NP2-6

York Sample ID: 15J0275-01

York Project (SDG) No.
15J0275

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:00 pm

Date Received
10/07/2015

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
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
156-59-2	cis-1,2-Dichloroethylene	0.23	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 08:41	10/14/2015 15:19	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 08:41	10/14/2015 15:19	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
127-18-4	Tetrachloroethylene	0.62		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS



Sample Information

Client Sample ID: WQ100515:1200 NP2-6

York Sample ID: 15J0275-01

York Project (SDG) No.
15J0275

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:00 pm

Date Received
10/07/2015

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
108-88-3	Toluene	0.41	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
79-01-6	Trichloroethylene	0.38	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/14/2015 08:41	10/14/2015 15:19	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	91.5 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	95.1 %	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	4.53		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/12/2015 14:53	10/12/2015 23:20	ALD

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	0.0405		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2015 14:24	10/14/2015 01:47	ALD

Sample Information

Client Sample ID: WQ100515:1205 NP2-7

York Sample ID: 15J0275-02

York Project (SDG) No.
15J0275

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:05 pm

Date Received
10/07/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ100515:1205 NP2-7

York Sample ID: 15J0275-02

York Project (SDG) No.
15J0275

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:05 pm

Date Received
10/07/2015

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	10/14/2015 08:41	10/14/2015 15:50	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	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	10/14/2015 08:41	10/14/2015 15:50	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS



Sample Information

Client Sample ID: WQ100515:1205 NP2-7

York Sample ID: 15J0275-02

York Project (SDG) No.
15J0275

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:05 pm

Date Received
10/07/2015

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	10/14/2015 08:41	10/14/2015 15:50	SS
67-64-1	Acetone	ND	SCAL- E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS



Sample Information

Client Sample ID: WQ100515:1205 NP2-7

York Sample ID: 15J0275-02

York Project (SDG) No.
15J0275

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:05 pm

Date Received
10/07/2015

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	10/14/2015 08:41	10/14/2015 15:50	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 08:41	10/14/2015 15:50	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 08:41	10/14/2015 15:50	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/14/2015 08:41	10/14/2015 15:50	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130								
2037-26-5	Surrogate: Toluene-d8	92.6 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	98.5 %	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	2.41		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/12/2015 14:53	10/12/2015 23:25	ALD



Sample Information

Client Sample ID: WQ100515:1205 NP2-7

York Sample ID: 15J0275-02

York Project (SDG) No.

15J0275

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 5, 2015 12:05 pm

Date Received

10/07/2015

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	0.0943		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/13/2015 14:24	10/14/2015 01:52	ALD



Analytical Batch Summary

Batch ID: BJ50411 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15J0274-01	WQ100515:1210 NP2-10	10/08/15
BJ50411-BLK1	Blank	10/08/15

Batch ID: BJ50565 **Preparation Method:** EPA 200.7 **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15J0274-01	WQ100515:1210 NP2-10	10/12/15
15J0275-01	WQ100515:1200 NP2-6	10/12/15
15J0275-02	WQ100515:1205 NP2-7	10/12/15
BJ50565-BLK1	Blank	10/12/15
BJ50565-DUP1	Duplicate	10/12/15
BJ50565-MS1	Matrix Spike	10/12/15
BJ50565-SRM1	Reference	10/12/15

Batch ID: BJ50632 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15J0274-01	WQ100515:1210 NP2-10	10/13/15
15J0275-01	WQ100515:1200 NP2-6	10/13/15
15J0275-02	WQ100515:1205 NP2-7	10/13/15
BJ50632-BLK1	Blank	10/13/15
BJ50632-SRM1	Reference	10/13/15

Batch ID: BJ50677 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15J0274-01	WQ100515:1210 NP2-10	10/14/15
15J0275-01	WQ100515:1200 NP2-6	10/14/15
15J0275-02	WQ100515:1205 NP2-7	10/14/15
BJ50677-BLK1	Blank	10/14/15
BJ50677-BS1	LCS	10/14/15
BJ50677-BSD1	LCS Dup	10/14/15



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 BJ50677 - EPA 5030B

Blank (BJ50677-BLK1)

Prepared & Analyzed: 10/14/2015

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	0.42	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.26	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 BJ50677 - EPA 5030B

Blank (BJ50677-BLK1)

Prepared & Analyzed: 10/14/2015

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

10.4

"

10.0

104

69-130

Surrogate: Toluene-d8

9.29

"

10.0

92.9

81-117

Surrogate: p-Bromofluorobenzene

9.81

"

10.0

98.1

79-122

LCS (BJ50677-BS1)

Prepared & Analyzed: 10/14/2015

1,1,1,2-Tetrachloroethane	12.0		ug/L	10.0	120	82-126	
1,1,1-Trichloroethane	10.9		"	10.0	109	78-136	
1,1,2,2-Tetrachloroethane	10.4		"	10.0	104	76-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.83		"	10.0	68.3	54-165	
1,1,2-Trichloroethane	9.75		"	10.0	97.5	82-123	
1,1-Dichloroethane	10.1		"	10.0	101	82-129	
1,1-Dichloroethylene	7.12		"	10.0	71.2	68-138	
1,1-Dichloropropylene	10.0		"	10.0	100	83-133	
1,2,3-Trichlorobenzene	13.3		"	10.0	133	76-136	
1,2,3-Trichloropropane	11.3		"	10.0	113	77-128	
1,2,4-Trichlorobenzene	13.9		"	10.0	139	76-137	High Bias
1,2,4-Trimethylbenzene	11.0		"	10.0	110	82-132	
1,2-Dibromo-3-chloropropane	10.4		"	10.0	104	45-147	
1,2-Dibromoethane	11.2		"	10.0	112	83-124	
1,2-Dichlorobenzene	11.6		"	10.0	116	79-123	
1,2-Dichloroethane	11.0		"	10.0	110	73-132	
1,2-Dichloropropane	9.51		"	10.0	95.1	78-126	
1,3,5-Trimethylbenzene	11.1		"	10.0	111	80-131	
1,3-Dichlorobenzene	11.7		"	10.0	117	86-122	
1,3-Dichloropropane	9.95		"	10.0	99.5	81-125	
1,4-Dichlorobenzene	11.8		"	10.0	118	85-124	
2,2-Dichloropropane	11.8		"	10.0	118	56-150	
2-Chlorotoluene	10.4		"	10.0	104	79-130	
2-Hexanone	8.95		"	10.0	89.5	51-146	
4-Chlorotoluene	10.4		"	10.0	104	79-128	
Acetone	2.57		"	10.0	25.7	14-150	
Benzene	10.2		"	10.0	102	85-126	
Bromobenzene	10.5		"	10.0	105	78-129	
Bromochloromethane	9.62		"	10.0	96.2	77-128	
Bromodichloromethane	10.4		"	10.0	104	79-128	
Bromoform	12.9		"	10.0	129	78-133	
Bromomethane	9.21		"	10.0	92.1	43-168	
Carbon tetrachloride	12.2		"	10.0	122	77-141	
Chlorobenzene	11.0		"	10.0	110	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 BJ50677 - EPA 5030B

LCS (BJ50677-BS1)

Prepared & Analyzed: 10/14/2015

Chloroethane	8.60		ug/L	10.0		86.0	65-136				
Chloroform	10.5		"	10.0		105	82-128				
Chloromethane	8.77		"	10.0		87.7	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Dibromochloromethane	11.8		"	10.0		118	80-130				
Dibromomethane	9.64		"	10.0		96.4	72-134				
Dichlorodifluoromethane	11.6		"	10.0		116	44-144				
Ethyl Benzene	9.98		"	10.0		99.8	80-131				
Hexachlorobutadiene	13.4		"	10.0		134	67-146				
Isopropylbenzene	10.7		"	10.0		107	76-140				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135				
Methylene chloride	9.30		"	10.0		93.0	55-137				
Naphthalene	11.9		"	10.0		119	70-147				
n-Butylbenzene	9.82		"	10.0		98.2	79-132				
n-Propylbenzene	9.98		"	10.0		99.8	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.2		"	20.0		101	77-133				
p-Isopropyltoluene	11.3		"	10.0		113	81-136				
sec-Butylbenzene	10.6		"	10.0		106	79-137				
Styrene	10.6		"	10.0		106	67-132				
tert-Butylbenzene	11.3		"	10.0		113	77-138				
Tetrachloroethylene	12.1		"	10.0		121	82-131				
Toluene	8.66		"	10.0		86.6	80-127				
trans-1,2-Dichloroethylene	9.98		"	10.0		99.8	80-132				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	11.3		"	10.0		113	67-139				
Vinyl Chloride	9.23		"	10.0		92.3	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	9.43		"	10.0		94.3	81-117				
Surrogate: p-Bromofluorobenzene	10.9		"	10.0		109	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 BJ50677 - EPA 5030B											
LCS Dup (BJ50677-BSD1)						Prepared & Analyzed: 10/14/2015					
1,1,1,2-Tetrachloroethane	11.6		ug/L	10.0		116	82-126		3.55	30	
1,1,1-Trichloroethane	11.3		"	10.0		113	78-136		3.88	30	
1,1,2,2-Tetrachloroethane	9.60		"	10.0		96.0	76-129		8.10	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.09		"	10.0		70.9	54-165		3.74	30	
1,1,2-Trichloroethane	9.51		"	10.0		95.1	82-123		2.49	30	
1,1-Dichloroethane	10.1		"	10.0		101	82-129		0.00	30	
1,1-Dichloroethylene	7.29		"	10.0		72.9	68-138		2.36	30	
1,1-Dichloropropylene	10.3		"	10.0		103	83-133		2.07	30	
1,2,3-Trichlorobenzene	13.3		"	10.0		133	76-136		0.150	30	
1,2,3-Trichloropropane	11.0		"	10.0		110	77-128		2.52	30	
1,2,4-Trichlorobenzene	13.4		"	10.0		134	76-137		3.52	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		5.29	30	
1,2-Dibromo-3-chloropropane	9.39		"	10.0		93.9	45-147		9.92	30	
1,2-Dibromoethane	11.1		"	10.0		111	83-124		1.26	30	
1,2-Dichlorobenzene	11.1		"	10.0		111	79-123		4.06	30	
1,2-Dichloroethane	11.1		"	10.0		111	73-132		0.721	30	
1,2-Dichloropropane	9.81		"	10.0		98.1	78-126		3.11	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		4.15	30	
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122		3.11	30	
1,3-Dichloropropane	9.79		"	10.0		97.9	81-125		1.62	30	
1,4-Dichlorobenzene	11.4		"	10.0		114	85-124		3.46	30	
2,2-Dichloropropane	11.8		"	10.0		118	56-150		0.593	30	
2-Chlorotoluene	9.94		"	10.0		99.4	79-130		4.62	30	
2-Hexanone	8.82		"	10.0		88.2	51-146		1.46	30	
4-Chlorotoluene	9.93		"	10.0		99.3	79-128		4.43	30	
Acetone	2.89		"	10.0		28.9	14-150		11.7	30	
Benzene	10.1		"	10.0		101	85-126		0.689	30	
Bromobenzene	10.2		"	10.0		102	78-129		3.39	30	
Bromochloromethane	9.60		"	10.0		96.0	77-128		0.208	30	
Bromodichloromethane	10.5		"	10.0		105	79-128		0.861	30	
Bromoform	12.3		"	10.0		123	78-133		4.77	30	
Bromomethane	8.73		"	10.0		87.3	43-168		5.35	30	
Carbon tetrachloride	12.4		"	10.0		124	77-141		2.04	30	
Chlorobenzene	10.9		"	10.0		109	88-120		0.820	30	
Chloroethane	8.08		"	10.0		80.8	65-136		6.24	30	
Chloroform	10.5		"	10.0		105	82-128		0.285	30	
Chloromethane	8.99		"	10.0		89.9	43-155		2.48	30	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129		0.198	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		2.24	30	
Dibromochloromethane	11.8		"	10.0		118	80-130		0.509	30	
Dibromomethane	10.4		"	10.0		104	72-134		7.20	30	
Dichlorodifluoromethane	12.2		"	10.0		122	44-144		5.38	30	
Ethyl Benzene	9.95		"	10.0		99.5	80-131		0.301	30	
Hexachlorobutadiene	13.6		"	10.0		136	67-146		1.70	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		2.18	30	
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135		2.05	30	
Methylene chloride	9.02		"	10.0		90.2	55-137		3.06	30	
Naphthalene	11.7		"	10.0		117	70-147		1.87	30	
n-Butylbenzene	9.61		"	10.0		96.1	79-132		2.16	30	
n-Propylbenzene	9.67		"	10.0		96.7	78-133		3.16	30	
o-Xylene	9.87		"	10.0		98.7	78-130		1.71	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 BJ50677 - EPA 5030B

LCS Dup (BJ50677-BSD1)

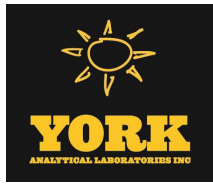
Prepared & Analyzed: 10/14/2015

p- & m- Xylenes	20.1		ug/L	20.0		100	77-133		0.893	30
p-Isopropyltoluene	11.1		"	10.0		111	81-136		1.25	30
sec-Butylbenzene	10.4		"	10.0		104	79-137		2.28	30
Styrene	10.3		"	10.0		103	67-132		3.25	30
tert-Butylbenzene	11.0		"	10.0		110	77-138		2.77	30
Tetrachloroethylene	12.4		"	10.0		124	82-131		1.96	30
Toluene	8.65		"	10.0		86.5	80-127		0.116	30
trans-1,2-Dichloroethylene	9.92		"	10.0		99.2	80-132		0.603	30
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		0.942	30
Trichloroethylene	10.3		"	10.0		103	82-128		0.583	30
Trichlorofluoromethane	11.8		"	10.0		118	67-139		4.17	30
Vinyl Chloride	8.80		"	10.0		88.0	58-145		4.77	30
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130			
Surrogate: Toluene-d8	9.51		"	10.0		95.1	81-117			
Surrogate: p-Bromofluorobenzene	11.0		"	10.0		110	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
Batch BJ50565 - EPA 200.7											
Blank (BJ50565-BLK1)								Prepared & Analyzed: 10/12/2015			
Iron	ND	0.0200	mg/L								
Duplicate (BJ50565-DUP1)								*Source sample: 15J0274-01 (WQ100515:1210 NP2-10) Prepared & Analyzed: 10/12/2015			
Iron	1.71	0.0200	mg/L		1.85				7.84	20	
Matrix Spike (BJ50565-MS1)								*Source sample: 15J0274-01 (WQ100515:1210 NP2-10) Prepared & Analyzed: 10/12/2015			
Iron	2.67	0.0200	mg/L	1.00	1.85	82.4	75-125				
Reference (BJ50565-SRM1)								Prepared & Analyzed: 10/12/2015			
Iron	1.95		ug/mL	2.12		91.8	85-115				
Batch BJ50632 - EPA 3015A											
Blank (BJ50632-BLK1)								Prepared: 10/13/2015 Analyzed: 10/14/2015			
Iron - Dissolved	ND	0.0200	mg/L								
Reference (BJ50632-SRM1)								Prepared: 10/13/2015 Analyzed: 10/14/2015			
Iron - Dissolved	2.08		ug/mL	2.12		98.0	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 BJ50411 - % Solids Prep

Blank (BJ50411-BLK1)

Prepared: 10/08/2015 Analyzed: 10/09/2015

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

Lab ID	Client Sample ID	Volatile Sample Container
15J0274-01	WQ100515:1210 NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15J0275-01	WQ100515:1200 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15J0275-02	WQ100515:1205 NP2-7	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%).
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-CCBNS	Analyte in CCB above MDL. Not detected in samples.
M-BCCB	Analyte in CCB > MDL. Sample conc. >10 X blank conc.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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



Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK

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

Field Chain-of-Custody Record

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. 1550274

YOUR INFORMATION

Company: LB6
Address: 4 Research Dr Suite 391
Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@lb6ct.com

Report To:

Company: Same
Address: Same
Phone No. Same
Attention: Same
E-Mail Address: Same

Invoice To:

Company: Same
Address: Same
Phone No. Same
Attention: Same
E-Mail Address: Same

YOUR PROJECT ID

Apwe Industries
Purchase Order No. HABSA6

Turn-Around Time

RUSH - Same Day ☐
RUSH - Next Day ☐
RUSH - Two Day ☐
RUSH - Three Day ☐
RUSH - Four Day ☐

Report Type

Summary Report X, pdf
Summary w/ QA Summary X, pdf
CT RCP Package
CT RCP DQ/DUE Pkg
NY ASP A Package
NY ASP B Package NP2-10 only, pdf
NIDEF Red. Deliv. ☐
Electronic Data Deliverables (EDDL) ☒

Simple Excel

NYSDEC EQUIS ☒
EQUIS (std) ☐
EZ-EDD (EQUIS) ☐
NIDEF SRP HinzSite EDD ☐
GIS/KEY (std) ☐
Other ☐
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in):

Standard (5-7 Days)

Full Lists ☒
Circuits ☐
Reactivity ☐
Ignitability ☐
Flash Point ☐
Sieve Anal. ☐
Heteromorphs ☐
TOX ☐
BTU/b. ☐
Aquatic Tox ☐
NYCDEP Sewer TOC ☐
NYSDEC Sewer Substos ☐
TAGM ☐
Silica ☐

Semi-Volat

8270 or 625 ☐
STARS list ☐
BIN Only ☐
Acids Only ☐
PAH list ☐
App. IX ☐
Site Spec. ☐
SCLP/TCLP Total ☐
TCLP Herb ☐
TCLP/TCLP ☐
SCLP/TCLP ☐
LIST Below ☐
Methane ☐
Helium ☐

Volatiles

8260 full ☐
524 ☐
STARS list ☐
Nassau Co. ☐
Suffolk Co. ☐
MTBE ☐
Ketones ☐
Oxygenates ☐
TCLP list ☐
TCLP list ☐
CT RCP list ☐
Arom. only ☐
Halog. only ☐
App. IX list ☐
SCLP/TCLP ☐
8021B list ☐

Matrix Codes

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

Sample Identification

WQ100515:1200 NP2-6
WQ100515:1205 NP2-7
WQ100515:1210 NP2-10

Date Sampled

10/5/15
↓
↓

Sample Matrix

GW
GW
GW

Choose Analyses Needed from the Menu Above and Enter Below

Fe by EPA 800.7/Fe, Dissolved by EPA 8010 (SWP46-8010B) 1 VOLs,
P260 list (EPA SWP45-8200A) plus from 113
Fe by EPA 800.7/Fe, Dissolved by EPA 8010 (SWP46-8010B) 1 VOLs,
P260 list (EPA SWP45-8200A) plus from 113 (TDS 9H 2540C)

Container Description(s)

MIX
↓

Comments

Preservation ☒ Check (if applicable)
Special Instructions ☐ Field Filled ☐ Lab to Filler
Temperature on Receipt 3.7°C

Samples Relinquished By LB6 Date/Time 10/6/15 1100
Samples Received By LB6 Date/Time 10/6/15 1100
Samples Relinquished By LB6 Date/Time 10/17/15 1388
Samples Received By LB6 Date/Time 10/17/15 1451

Samples Relinquished By LB6 Date/Time 10/17/15 1388
Samples Received By LB6 Date/Time 10/17/15 1451

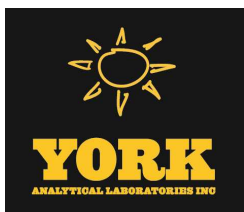
Samples Relinquished By LB6 Date/Time 10/17/15 1388
Samples Received By LB6 Date/Time 10/17/15 1451

Samples Relinquished By LB6 Date/Time 10/17/15 1388
Samples Received By LB6 Date/Time 10/17/15 1451

Samples Relinquished By LB6 Date/Time 10/17/15 1388
Samples Received By LB6 Date/Time 10/17/15 1451

Samples Relinquished By LB6 Date/Time 10/17/15 1388
Samples Received By LB6 Date/Time 10/17/15 1451

(system)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/29/2015

Client Project ID: Rowe Industries Site

York Project (SDG) No.: 15J0882

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/29/2015
Client Project ID: Rowe Industries Site
York Project (SDG) No.: 15J0882

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 October 22, 2015 and listed below. The project was identified as your project: **Rowe Industries Site**.

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>
15J0882-01	WQ102015:1000 NP2-6	Water	10/20/2015	10/22/2015
15J0882-02	WQ102015:1005 NP2-7	Water	10/20/2015	10/22/2015
15J0886-01	WQ102015: 1010NP2-10	Water	10/20/2015	10/22/2015

General Notes for York Project (SDG) No.: 15J0882

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: 10/29/2015





Sample Information

Client Sample ID: WQ102015:1000 NP2-6

York Sample ID: 15J0882-01

York Project (SDG) No.

15J0882

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

October 20, 2015 10:00 am

Date Received

10/22/2015

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:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	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:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 NELAC-NY10854,NJDEP	10/28/2015 23:46	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/28/2015 17:07 CTDOH,NELAC-NY10854,NJDEP	10/28/2015 23:46	SS



Sample Information

Client Sample ID: WQ102015:1000 NP2-6

York Sample ID: 15J0882-01

York Project (SDG) No.
15J0882

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 20, 2015 10:00 am

Date Received
10/22/2015

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	10/28/2015 17:07	10/28/2015 23:46	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
67-64-1	Acetone	1.3	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS



Sample Information

Client Sample ID: WQ102015:1000 NP2-6

York Sample ID: 15J0882-01

York Project (SDG) No.
15J0882

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 20, 2015 10:00 am

Date Received
10/22/2015

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	10/28/2015 17:07	10/28/2015 23:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/28/2015 17:07	10/28/2015 23:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/28/2015 17:07	10/28/2015 23:46	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
127-18-4	Tetrachloroethylene	0.28	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
79-01-6	Trichloroethylene	0.44	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/28/2015 17:07	10/28/2015 23:46	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.2 %			69-130						
2037-26-5	Surrogate: Toluene-d8	104 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	92.8 %			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	2.58		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/26/2015 07:17	10/26/2015 10:47	ALD



Sample Information

Client Sample ID: WQ102015:1000 NP2-6

York Sample ID: 15J0882-01

York Project (SDG) No.
15J0882

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 20, 2015 10:00 am

Date Received
10/22/2015

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	0.0756		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/28/2015 13:44	10/29/2015 00:36	ALD

Sample Information

Client Sample ID: WQ102015:1005 NP2-7

York Sample ID: 15J0882-02

York Project (SDG) No.
15J0882

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 20, 2015 10:05 am

Date Received
10/22/2015

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	10/28/2015 17:07	10/29/2015 00:16	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	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	10/28/2015 17:07	10/29/2015 00:16	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS



Sample Information

Client Sample ID: WQ102015:1005 NP2-7

York Sample ID: 15J0882-02

York Project (SDG) No.
15J0882

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 20, 2015 10:05 am

Date Received
10/22/2015

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	10/28/2015 17:07	10/29/2015 00:16	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
67-64-1	Acetone	1.8	SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS



Sample Information

Client Sample ID: WQ102015:1005 NP2-7

York Sample ID: 15J0882-02

York Project (SDG) No.
15J0882

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 20, 2015 10:05 am

Date Received
10/22/2015

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	10/28/2015 17:07	10/29/2015 00:16	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/28/2015 17:07	10/29/2015 00:16	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/28/2015 17:07	10/29/2015 00:16	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/28/2015 17:07	10/29/2015 00:16	SS



Sample Information

Client Sample ID: WQ102015:1005 NP2-7

York Sample ID: 15J0882-02

York Project (SDG) No.

15J0882

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

October 20, 2015 10:05 am

Date Received

10/22/2015

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	10/28/2015 17:07	10/29/2015 00:16	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		69-130							
2037-26-5	Surrogate: Toluene-d8	103 %		81-117							
460-00-4	Surrogate: p-Bromofluorobenzene	90.9 %		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	1.77		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/26/2015 07:17	10/26/2015 10:51	ALD

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	0.134		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/28/2015 13:44	10/29/2015 01:07	ALD

Sample Information

Client Sample ID: WQ102015: 1010NP2-10

York Sample ID: 15J0886-01

York Project (SDG) No.

15J0886

Client Project ID

Rowe Industries Site

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Water

Collection Date/Time

October 20, 2015 10:10 am

Date Received

10/22/2015

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	10/27/2015 16:45	10/28/2015 04:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	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	10/27/2015 16:45	10/28/2015 04:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS



Sample Information

Client Sample ID: WQ102015: 1010NP2-10

York Sample ID: 15J0886-01

York Project (SDG) No.
15J0886

Client Project ID
Rowe Industries Site

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Water

Collection Date/Time
October 20, 2015 10:10 am

Date Received
10/22/2015

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	10/27/2015 16:45	10/28/2015 04:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS



Sample Information

Client Sample ID: WQ102015: 1010NP2-10

York Sample ID: 15J0886-01

York Project (SDG) No.
15J0886

Client Project ID
Rowe Industries Site

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Water

Collection Date/Time
October 20, 2015 10:10 am

Date Received
10/22/2015

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	10/27/2015 16:45	10/28/2015 04:21	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/27/2015 16:45	10/28/2015 04:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/27/2015 16:45	10/28/2015 04:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS



Sample Information

Client Sample ID: WQ102015: 1010NP2-10

York Sample ID: 15J0886-01

York Project (SDG) No.
15J0886

Client Project ID
Rowe Industries Site

Matrix
Water

Collection Date/Time
October 20, 2015 10:10 am

Date Received
10/22/2015

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	10/27/2015 16:45	10/28/2015 04:21	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/27/2015 16:45	10/28/2015 04:21	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	130 %	69-130								
2037-26-5	Surrogate: Toluene-d8	84.7 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	90.2 %	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	2.23		mg/L	0.0162	0.0222	1	EPA 200.7 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/26/2015 07:17	10/26/2015 10:56	ALD

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	0.161		mg/L	0.0222	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	10/28/2015 13:44	10/29/2015 01:13	ALD

Total Dissolved Solids

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ102015: 1010NP2-10

York Sample ID: 15J0886-01

York Project (SDG) No.

15J0886

Client Project ID

Rowe Industries Site

Matrix

Water

Collection Date/Time

October 20, 2015 10:10 am

Date Received

10/22/2015

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	173		mg/L	10.0	10.0	1	SM 2540C	10/26/2015 17:12	10/26/2015 17:12	AA
Certifications: NELAC-NY10854,CTDOH,NJDEP											



Analytical Batch Summary

Batch ID: BJ51283 **Preparation Method:** EPA 200.7 **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15J0882-01	WQ102015:1000 NP2-6	10/26/15
15J0882-02	WQ102015:1005 NP2-7	10/26/15
15J0886-01	WQ102015: 1010NP2-10	10/26/15
BJ51283-BLK1	Blank	10/26/15
BJ51283-SRM1	Reference	10/26/15

Batch ID: BJ51350 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15J0886-01	WQ102015: 1010NP2-10	10/26/15
BJ51350-BLK1	Blank	10/26/15

Batch ID: BJ51411 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15J0886-01	WQ102015: 1010NP2-10	10/27/15
BJ51411-BLK1	Blank	10/27/15
BJ51411-BS1	LCS	10/27/15
BJ51411-BSD1	LCS Dup	10/27/15

Batch ID: BJ51448 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15J0882-01	WQ102015:1000 NP2-6	10/28/15
15J0882-02	WQ102015:1005 NP2-7	10/28/15
BJ51448-BLK1	Blank	10/28/15
BJ51448-BS1	LCS	10/28/15
BJ51448-BSD1	LCS Dup	10/28/15

Batch ID: BJ51474 **Preparation Method:** EPA 3015A **Prepared By:** ALD

YORK Sample ID	Client Sample ID	Preparation Date
15J0882-01	WQ102015:1000 NP2-6	10/28/15
15J0882-02	WQ102015:1005 NP2-7	10/28/15
15J0886-01	WQ102015: 1010NP2-10	10/28/15
BJ51474-BLK1	Blank	10/28/15
BJ51474-DUP1	Duplicate	10/28/15
BJ51474-MS1	Matrix Spike	10/28/15
BJ51474-SRM1	Reference	10/28/15



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 BJ51411 - EPA 5030B											
Blank (BJ51411-BLK1)										Prepared & Analyzed: 10/27/2015	
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	1.4	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	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 BJ51411 - EPA 5030B

Blank (BJ51411-BLK1)

Prepared & Analyzed: 10/27/2015

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>12.8</i>		<i>"</i>	<i>10.0</i>		<i>128</i>	<i>69-130</i>
<i>Surrogate: Toluene-d8</i>	<i>8.55</i>		<i>"</i>	<i>10.0</i>		<i>85.5</i>	<i>81-117</i>
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.07</i>		<i>"</i>	<i>10.0</i>		<i>90.7</i>	<i>79-122</i>

LCS (BJ51411-BS1)

Prepared & Analyzed: 10/27/2015

1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126	
1,1,1-Trichloroethane	13.2		"	10.0		132	78-136	
1,1,2,2-Tetrachloroethane	9.08		"	10.0		90.8	76-129	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	54-165	
1,1,2-Trichloroethane	9.94		"	10.0		99.4	82-123	
1,1-Dichloroethane	12.0		"	10.0		120	82-129	
1,1-Dichloroethylene	12.5		"	10.0		125	68-138	
1,1-Dichloropropylene	11.6		"	10.0		116	83-133	
1,2,3-Trichlorobenzene	11.1		"	10.0		111	76-136	
1,2,3-Trichloropropane	9.59		"	10.0		95.9	77-128	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	76-137	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132	
1,2-Dibromo-3-chloropropane	9.93		"	10.0		99.3	45-147	
1,2-Dibromoethane	9.79		"	10.0		97.9	83-124	
1,2-Dichlorobenzene	9.97		"	10.0		99.7	79-123	
1,2-Dichloroethane	13.5		"	10.0		135	73-132	High Bias
1,2-Dichloropropane	9.41		"	10.0		94.1	78-126	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131	
1,3-Dichlorobenzene	10.0		"	10.0		100	86-122	
1,3-Dichloropropane	10.0		"	10.0		100	81-125	
1,4-Dichlorobenzene	9.84		"	10.0		98.4	85-124	
2,2-Dichloropropane	12.7		"	10.0		127	56-150	
2-Chlorotoluene	9.98		"	10.0		99.8	79-130	
2-Hexanone	9.45		"	10.0		94.5	51-146	
4-Chlorotoluene	10.0		"	10.0		100	79-128	
Acetone	10.7		"	10.0		107	14-150	
Benzene	11.1		"	10.0		111	85-126	
Bromobenzene	9.73		"	10.0		97.3	78-129	
Bromochloromethane	11.2		"	10.0		112	77-128	
Bromodichloromethane	10.4		"	10.0		104	79-128	
Bromoform	11.3		"	10.0		113	78-133	
Bromomethane	3.64		"	10.0		36.4	43-168	Low Bias
Carbon tetrachloride	14.0		"	10.0		140	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 BJ51411 - EPA 5030B

LCS (BJ51411-BS1)

Prepared & Analyzed: 10/27/2015

Chloroethane	11.2		ug/L	10.0		112	65-136				
Chloroform	12.5		"	10.0		125	82-128				
Chloromethane	7.88		"	10.0		78.8	43-155				
cis-1,2-Dichloroethylene	12.0		"	10.0		120	83-129				
cis-1,3-Dichloropropylene	9.25		"	10.0		92.5	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	10.9		"	10.0		109	72-134				
Dichlorodifluoromethane	14.6		"	10.0		146	44-144	High Bias			
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	10.2		"	10.0		102	67-146				
Isopropylbenzene	9.80		"	10.0		98.0	76-140				
Methyl tert-butyl ether (MTBE)	12.0		"	10.0		120	76-135				
Methylene chloride	11.4		"	10.0		114	55-137				
Naphthalene	9.69		"	10.0		96.9	70-147				
n-Butylbenzene	10.1		"	10.0		101	79-132				
n-Propylbenzene	10.0		"	10.0		100	78-133				
o-Xylene	10.5		"	10.0		105	78-130				
p- & m- Xylenes	22.9		"	20.0		115	77-133				
p-Isopropyltoluene	9.83		"	10.0		98.3	81-136				
sec-Butylbenzene	9.90		"	10.0		99.0	79-137				
Styrene	12.1		"	10.0		121	67-132				
tert-Butylbenzene	9.52		"	10.0		95.2	77-138				
Tetrachloroethylene	11.3		"	10.0		113	82-131				
Toluene	10.1		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132				
trans-1,3-Dichloropropylene	9.77		"	10.0		97.7	78-131				
Trichloroethylene	9.96		"	10.0		99.6	82-128				
Trichlorofluoromethane	12.8		"	10.0		128	67-139				
Vinyl Chloride	12.1		"	10.0		121	58-145				
Surrogate: 1,2-Dichloroethane-d4	12.3		"	10.0		123	69-130				
Surrogate: Toluene-d8	8.94		"	10.0		89.4	81-117				
Surrogate: p-Bromofluorobenzene	9.30		"	10.0		93.0	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 BJ51411 - EPA 5030B											
LCS Dup (BJ51411-BS01)						Prepared & Analyzed: 10/27/2015					
1,1,1,2-Tetrachloroethane	10.5		ug/L	10.0		105	82-126		1.98	30	
1,1,1-Trichloroethane	13.2		"	10.0		132	78-136		0.0758	30	
1,1,2,2-Tetrachloroethane	9.10		"	10.0		91.0	76-129		0.220	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	54-165		3.00	30	
1,1,2-Trichloroethane	9.95		"	10.0		99.5	82-123		0.101	30	
1,1-Dichloroethane	11.8		"	10.0		118	82-129		2.27	30	
1,1-Dichloroethylene	12.6		"	10.0		126	68-138		0.319	30	
1,1-Dichloropropylene	11.5		"	10.0		115	83-133		1.12	30	
1,2,3-Trichlorobenzene	11.2		"	10.0		112	76-136		0.629	30	
1,2,3-Trichloropropane	9.34		"	10.0		93.4	77-128		2.64	30	
1,2,4-Trichlorobenzene	10.4		"	10.0		104	76-137		0.481	30	
1,2,4-Trimethylbenzene	9.94		"	10.0		99.4	82-132		3.27	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		3.07	30	
1,2-Dibromoethane	10.0		"	10.0		100	83-124		2.12	30	
1,2-Dichlorobenzene	9.63		"	10.0		96.3	79-123		3.47	30	
1,2-Dichloroethane	13.5		"	10.0		135	73-132	High Bias	0.222	30	
1,2-Dichloropropane	9.43		"	10.0		94.3	78-126		0.212	30	
1,3,5-Trimethylbenzene	9.99		"	10.0		99.9	80-131		3.83	30	
1,3-Dichlorobenzene	9.73		"	10.0		97.3	86-122		3.04	30	
1,3-Dichloropropane	9.98		"	10.0		99.8	81-125		0.699	30	
1,4-Dichlorobenzene	9.56		"	10.0		95.6	85-124		2.89	30	
2,2-Dichloropropane	12.0		"	10.0		120	56-150		6.00	30	
2-Chlorotoluene	9.63		"	10.0		96.3	79-130		3.57	30	
2-Hexanone	9.49		"	10.0		94.9	51-146		0.422	30	
4-Chlorotoluene	9.67		"	10.0		96.7	79-128		3.46	30	
Acetone	10.6		"	10.0		106	14-150		0.943	30	
Benzene	11.0		"	10.0		110	85-126		0.631	30	
Bromobenzene	9.41		"	10.0		94.1	78-129		3.34	30	
Bromochloromethane	11.0		"	10.0		110	77-128		2.16	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		1.85	30	
Bromoform	11.4		"	10.0		114	78-133		0.176	30	
Bromomethane	4.05		"	10.0		40.5	43-168	Low Bias	10.7	30	
Carbon tetrachloride	13.8		"	10.0		138	77-141		1.36	30	
Chlorobenzene	9.80		"	10.0		98.0	88-120		0.610	30	
Chloroethane	11.1		"	10.0		111	65-136		1.53	30	
Chloroform	12.4		"	10.0		124	82-128		1.20	30	
Chloromethane	7.64		"	10.0		76.4	43-155		3.09	30	
cis-1,2-Dichloroethylene	11.8		"	10.0		118	83-129		2.35	30	
cis-1,3-Dichloropropylene	9.18		"	10.0		91.8	80-131		0.760	30	
Dibromochloromethane	10.5		"	10.0		105	80-130		1.69	30	
Dibromomethane	11.0		"	10.0		110	72-134		0.821	30	
Dichlorodifluoromethane	14.2		"	10.0		142	44-144		2.92	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		1.79	30	
Hexachlorobutadiene	9.88		"	10.0		98.8	67-146		2.79	30	
Isopropylbenzene	9.55		"	10.0		95.5	76-140		2.58	30	
Methyl tert-butyl ether (MTBE)	12.0		"	10.0		120	76-135		0.334	30	
Methylene chloride	11.4		"	10.0		114	55-137		0.00	30	
Naphthalene	9.84		"	10.0		98.4	70-147		1.54	30	
n-Butylbenzene	9.80		"	10.0		98.0	79-132		3.11	30	
n-Propylbenzene	9.68		"	10.0		96.8	78-133		3.35	30	
o-Xylene	10.4		"	10.0		104	78-130		0.858	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 BJ51411 - EPA 5030B

LCS Dup (BJ51411-BSD1)

Prepared & Analyzed: 10/27/2015

p- & m- Xylenes	22.2		ug/L	20.0		111	77-133		3.19	30
p-Isopropyltoluene	9.58		"	10.0		95.8	81-136		2.58	30
sec-Butylbenzene	9.61		"	10.0		96.1	79-137		2.97	30
Styrene	11.8		"	10.0		118	67-132		2.60	30
tert-Butylbenzene	9.27		"	10.0		92.7	77-138		2.66	30
Tetrachloroethylene	11.0		"	10.0		110	82-131		2.88	30
Toluene	9.84		"	10.0		98.4	80-127		2.71	30
trans-1,2-Dichloroethylene	11.6		"	10.0		116	80-132		1.62	30
trans-1,3-Dichloropropylene	9.64		"	10.0		96.4	78-131		1.34	30
Trichloroethylene	9.76		"	10.0		97.6	82-128		2.03	30
Trichlorofluoromethane	13.1		"	10.0		131	67-139		2.00	30
Vinyl Chloride	11.7		"	10.0		117	58-145		3.37	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>12.3</i>		<i>"</i>	<i>10.0</i>		<i>123</i>	<i>69-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>8.81</i>		<i>"</i>	<i>10.0</i>		<i>88.1</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.22</i>		<i>"</i>	<i>10.0</i>		<i>92.2</i>	<i>79-122</i>			

Batch BJ51448 - EPA 5030B

Blank (BJ51448-BLK1)

Prepared & Analyzed: 10/28/2015

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	1.1	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 BJ51448 - EPA 5030B

Blank (BJ51448-BLK1)

Prepared & Analyzed: 10/28/2015

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	9.86		"	10.0		98.6	69-130				
Surrogate: Toluene-d8	10.3		"	10.0		103	81-117				
Surrogate: p-Bromofluorobenzene	9.03		"	10.0		90.3	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BJ51448 - EPA 5030B											
LCS (BJ51448-BS1)						Prepared & Analyzed: 10/28/2015					
1,1,1,2-Tetrachloroethane	9.80		ug/L	10.0		98.0	82-126				
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136				
1,1,2,2-Tetrachloroethane	9.52		"	10.0		95.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165				
1,1,2-Trichloroethane	11.1		"	10.0		111	82-123				
1,1-Dichloroethane	11.0		"	10.0		110	82-129				
1,1-Dichloroethylene	11.0		"	10.0		110	68-138				
1,1-Dichloropropylene	11.0		"	10.0		110	83-133				
1,2,3-Trichlorobenzene	9.34		"	10.0		93.4	76-136				
1,2,3-Trichloropropane	8.70		"	10.0		87.0	77-128				
1,2,4-Trichlorobenzene	9.40		"	10.0		94.0	76-137				
1,2,4-Trimethylbenzene	8.78		"	10.0		87.8	82-132				
1,2-Dibromo-3-chloropropane	9.95		"	10.0		99.5	45-147				
1,2-Dibromoethane	10.0		"	10.0		100	83-124				
1,2-Dichlorobenzene	9.70		"	10.0		97.0	79-123				
1,2-Dichloroethane	11.6		"	10.0		116	73-132				
1,2-Dichloropropane	10.8		"	10.0		108	78-126				
1,3,5-Trimethylbenzene	9.23		"	10.0		92.3	80-131				
1,3-Dichlorobenzene	9.09		"	10.0		90.9	86-122				
1,3-Dichloropropane	11.2		"	10.0		112	81-125				
1,4-Dichlorobenzene	9.16		"	10.0		91.6	85-124				
2,2-Dichloropropane	7.21		"	10.0		72.1	56-150				
2-Chlorotoluene	8.81		"	10.0		88.1	79-130				
2-Hexanone	10.8		"	10.0		108	51-146				
4-Chlorotoluene	9.22		"	10.0		92.2	79-128				
Acetone	13.3		"	10.0		133	14-150				
Benzene	11.3		"	10.0		113	85-126				
Bromobenzene	9.11		"	10.0		91.1	78-129				
Bromochloromethane	11.6		"	10.0		116	77-128				
Bromodichloromethane	11.1		"	10.0		111	79-128				
Bromoform	9.56		"	10.0		95.6	78-133				
Bromomethane	12.1		"	10.0		121	43-168				
Carbon tetrachloride	10.5		"	10.0		105	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	17.0		"	10.0		170	65-136	High Bias			
Chloroform	10.8		"	10.0		108	82-128				
Chloromethane	15.3		"	10.0		153	43-155				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	11.3		"	10.0		113	72-134				
Dichlorodifluoromethane	11.0		"	10.0		110	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	8.74		"	10.0		87.4	67-146				
Isopropylbenzene	8.70		"	10.0		87.0	76-140				
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135				
Methylene chloride	11.2		"	10.0		112	55-137				
Naphthalene	9.51		"	10.0		95.1	70-147				
n-Butylbenzene	10.1		"	10.0		101	79-132				
n-Propylbenzene	9.15		"	10.0		91.5	78-133				
o-Xylene	10.7		"	10.0		107	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 BJ51448 - EPA 5030B

LCS (BJ51448-BS1)

Prepared & Analyzed: 10/28/2015

p- & m- Xylenes	21.8		ug/L	20.0		109	77-133				
p-Isopropyltoluene	9.22		"	10.0		92.2	81-136				
sec-Butylbenzene	8.92		"	10.0		89.2	79-137				
Styrene	11.5		"	10.0		115	67-132				
tert-Butylbenzene	8.89		"	10.0		88.9	77-138				
Tetrachloroethylene	10.1		"	10.0		101	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	16.2		"	10.0		162	67-139	High Bias			
Vinyl Chloride	16.2		"	10.0		162	58-145	High Bias			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.9</i>		<i>"</i>	<i>10.0</i>		<i>109</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>8.79</i>		<i>"</i>	<i>10.0</i>		<i>87.9</i>	<i>79-122</i>				

LCS Dup (BJ51448-BSD1)

Prepared & Analyzed: 10/28/2015

1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		5.75	30	
1,1,1-Trichloroethane	9.75		"	10.0		97.5	78-136		2.93	30	
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-129		3.81	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		5.50	30	
1,1,2-Trichloroethane	11.2		"	10.0		112	82-123		0.539	30	
1,1-Dichloroethane	10.8		"	10.0		108	82-129		1.37	30	
1,1-Dichloroethylene	10.9		"	10.0		109	68-138		0.825	30	
1,1-Dichloropropylene	10.7		"	10.0		107	83-133		2.86	30	
1,2,3-Trichlorobenzene	10.1		"	10.0		101	76-136		7.82	30	
1,2,3-Trichloropropane	9.38		"	10.0		93.8	77-128		7.52	30	
1,2,4-Trichlorobenzene	9.75		"	10.0		97.5	76-137		3.66	30	
1,2,4-Trimethylbenzene	9.28		"	10.0		92.8	82-132		5.54	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147		4.13	30	
1,2-Dibromoethane	10.6		"	10.0		106	83-124		5.52	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		3.44	30	
1,2-Dichloroethane	11.3		"	10.0		113	73-132		1.92	30	
1,2-Dichloropropane	11.0		"	10.0		110	78-126		1.83	30	
1,3,5-Trimethylbenzene	9.55		"	10.0		95.5	80-131		3.41	30	
1,3-Dichlorobenzene	9.45		"	10.0		94.5	86-122		3.88	30	
1,3-Dichloropropane	11.6		"	10.0		116	81-125		3.70	30	
1,4-Dichlorobenzene	9.44		"	10.0		94.4	85-124		3.01	30	
2,2-Dichloropropane	6.91		"	10.0		69.1	56-150		4.25	30	
2-Chlorotoluene	9.26		"	10.0		92.6	79-130		4.98	30	
2-Hexanone	12.0		"	10.0		120	51-146		11.1	30	
4-Chlorotoluene	9.60		"	10.0		96.0	79-128		4.04	30	
Acetone	11.0		"	10.0		110	14-150		18.9	30	
Benzene	11.0		"	10.0		110	85-126		2.97	30	
Bromobenzene	9.69		"	10.0		96.9	78-129		6.17	30	
Bromochloromethane	11.6		"	10.0		116	77-128		0.346	30	
Bromodichloromethane	11.3		"	10.0		113	79-128		1.88	30	
Bromoform	9.84		"	10.0		98.4	78-133		2.89	30	
Bromomethane	11.8		"	10.0		118	43-168		1.76	30	
Carbon tetrachloride	10.3		"	10.0		103	77-141		1.83	30	
Chlorobenzene	10.5		"	10.0		105	88-120		3.38	30	
Chloroethane	15.1		"	10.0		151	65-136	High Bias	11.4	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 BJ51448 - EPA 5030B

LCS Dup (BJ51448-BSD1)

Prepared & Analyzed: 10/28/2015

Chloroform	10.7		ug/L	10.0		107	82-128		0.742	30	
Chloromethane	14.5		"	10.0		145	43-155		5.51	30	
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129		3.85	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		0.755	30	
Dibromochloromethane	11.0		"	10.0		110	80-130		2.76	30	
Dibromomethane	11.1		"	10.0		111	72-134		2.06	30	
Dichlorodifluoromethane	11.5		"	10.0		115	44-144		4.00	30	
Ethyl Benzene	10.9		"	10.0		109	80-131		1.48	30	
Hexachlorobutadiene	9.36		"	10.0		93.6	67-146		6.85	30	
Isopropylbenzene	9.07		"	10.0		90.7	76-140		4.16	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		1.76	30	
Methylene chloride	10.7		"	10.0		107	55-137		4.57	30	
Naphthalene	10.0		"	10.0		100	70-147		5.02	30	
n-Butylbenzene	10.5		"	10.0		105	79-132		4.17	30	
n-Propylbenzene	9.49		"	10.0		94.9	78-133		3.65	30	
o-Xylene	10.8		"	10.0		108	78-130		0.372	30	
p- & m- Xylenes	22.0		"	20.0		110	77-133		1.28	30	
p-Isopropyltoluene	9.55		"	10.0		95.5	81-136		3.52	30	
sec-Butylbenzene	9.23		"	10.0		92.3	79-137		3.42	30	
Styrene	12.0		"	10.0		120	67-132		3.75	30	
tert-Butylbenzene	9.31		"	10.0		93.1	77-138		4.62	30	
Tetrachloroethylene	10.3		"	10.0		103	82-131		2.26	30	
Toluene	10.9		"	10.0		109	80-127		0.367	30	
trans-1,2-Dichloroethylene	9.99		"	10.0		99.9	80-132		1.98	30	
trans-1,3-Dichloropropylene	10.8		"	10.0		108	78-131		3.19	30	
Trichloroethylene	10.3		"	10.0		103	82-128		1.76	30	
Trichlorofluoromethane	16.3		"	10.0		163	67-139	High Bias	0.740	30	
Vinyl Chloride	15.6		"	10.0		156	58-145	High Bias	3.70	30	
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: Toluene-d8	9.96		"	10.0		99.6	81-117				
Surrogate: p-Bromofluorobenzene	8.69		"	10.0		86.9	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
Batch BJ51283 - EPA 200.7											
Blank (BJ51283-BLK1)								Prepared & Analyzed: 10/26/2015			
Iron	ND	0.0200	mg/L								
Reference (BJ51283-SRM1)								Prepared & Analyzed: 10/26/2015			
Iron	2.05		ug/mL	2.12		96.8	85-115				
Batch BJ51474 - EPA 3015A											
Blank (BJ51474-BLK1)								Prepared: 10/28/2015 Analyzed: 10/29/2015			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BJ51474-DUP1)								*Source sample: 15J0882-01 (WQ102015:1000 NP2-6) Prepared: 10/28/2015 Analyzed: 10/29/2015			
Iron - Dissolved	0.0701	0.0222	mg/L		0.0756				7.59	20	
Matrix Spike (BJ51474-MS1)								*Source sample: 15J0882-01 (WQ102015:1000 NP2-6) Prepared: 10/28/2015 Analyzed: 10/29/2015			
Iron - Dissolved	1.18	0.0222	mg/L	1.11	0.0756	99.7	75-125				
Reference (BJ51474-SRM1)								Prepared: 10/28/2015 Analyzed: 10/29/2015			
Iron - Dissolved	1.92		ug/mL	2.12		90.7	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 BJ51350 - % Solids Prep

Blank (BJ51350-BLK1)

Prepared & Analyzed: 10/26/2015

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

Lab ID	Client Sample ID	Volatile Sample Container
15J0882-01	WQ102015:1000 NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15J0882-02	WQ102015:1005 NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15J0886-01	WQ102015: 1010NP2-10	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%).
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-LSRD	Original sample conc <50 X reporting limit.
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.
*	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.

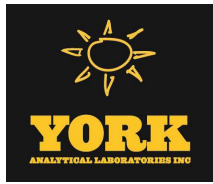
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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. 15J0882

YOUR Information Company: <u>LBG</u> Address: <u>4 Research Dr Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-928-8555</u> Contact Person: <u>Jande Sander</u> E-Mail Address: <u>JSander@LBGCT.com</u>		Report To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		Invoice To: Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____		YOUR Project ID <u>Rowe Industries</u> Purchase Order No. <u>NABSA6</u> Samples from: CT ☒ NY ☒ NJ ☐		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 DOADUE Pkg NY ASP A Package NY ASP B Package <u>NP2-10 only</u> NIDEP Red. Deliv. Electronic Data Deliverables (EDD) Simple Excel ☒																									
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.						Choose Analyses Needed from the Menu Above and Enter Below																													
Matrix Codes S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor						Volatiles B260 full 624 Site Spec STARS list BN Only Acids Only PAH list App. IX TCM list TAGM list CT RCP list TCLP list Arou. only Halog. only App. IX list SFL or TCLP 608 PCB SFL or TCLP						Metals RCRAS PF15 list TAL CT15 list TAGM list NIDEP list SFL or TCLP Total Air TO15 Air TO15 Air STARS SFL or TCLP Air VPH Air TCs Inert Metals LIST Below						Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 Full App. IX Full App. IX Part 360 metals Air TO15 Air TO15 Air STARS SFL or TCLP Air VPH Air TCs Inert Metals LIST Below						Full Lists Carcinogen TCL Ognats TAL MACN Full TCLP Full App. IX Part 360 metals Air TO15 Air TO15 Air STARS SFL or TCLP Air VPH Air TCs Inert Metals LIST Below						Other York Regulatory Comparison Excel Spreadsheet Compare to the following (tags, please fill in):					
Sample Identification WQ102015:1000 NP2-6 WQ102015:1005 NP2-7 WQ102015:1010 NP2-10						Date Sampled 10-20-15 ↓ ↓						Sample Matrix GW GW GW						Container Description(s) mixed ↓																	
Comments Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SWP46-60106) / Vols. P260 list (EPA SWP45-82606) plus from #13 Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SWP46-60106) / Vols. P260 list (EPA SWP45-82606) plus from #13 1 TOS (SH 2540c)												Preservation Check those Applicable Special Instructions Field Filled ☐ Lab to Filler ☐												Temperature on Receipt 3.7 °C											

Need App-10/22/15 12:45
revised

(system)

ANALYTICAL LABORATORIES, INC.
120 RESEARCH DR. STRATFORD, CT 06611
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

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

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.

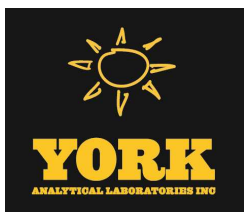
York Project No. 15570886

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(system)

APPENDIX II
OCTOBER 2015 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: 10/14/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15J0280

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/14/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15J0280

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 October 07, 2015 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>
15J0280-01	GWQ100515:1220NP1-1-2	Water	10/05/2015	10/07/2015

General Notes for York Project (SDG) No.: 15J0280

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: 10/14/2015





Sample Information

Client Sample ID: GWQ100515:1220NP1-1-2

York Sample ID: 15J0280-01

York Project (SDG) No.

15J0280

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 5, 2015 12:20 pm

Date Received

10/07/2015

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:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	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:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 NELAC-NY10854,NJDEP	10/13/2015 21:31	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	10/13/2015 08:10 CTDOH,NELAC-NY10854,NJDEP	10/13/2015 21:31	SS



Sample Information

Client Sample ID: GWQ100515:1220NP1-1-2

York Sample ID: 15J0280-01

York Project (SDG) No.
15J0280

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:20 pm

Date Received
10/07/2015

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	10/13/2015 08:10	10/13/2015 21:31	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS



Sample Information

Client Sample ID: GWQ100515:1220NP1-1-2

York Sample ID: 15J0280-01

York Project (SDG) No.
15J0280

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:20 pm

Date Received
10/07/2015

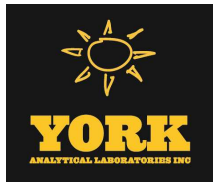
Volatile Organics, 8260 List - Low Level

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	10/13/2015 08:10	10/13/2015 21:31	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/13/2015 08:10	10/13/2015 21:31	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/13/2015 08:10	10/13/2015 21:31	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
79-01-6	Trichloroethylene	0.46	CCV-E, J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/13/2015 08:10	10/13/2015 21:31	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
2037-26-5	Surrogate: Toluene-d8	106 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	97.2 %	79-122								



Analytical Batch Summary

Batch ID: BJ50605

Preparation Method: EPA 5030B

Prepared By: OW

YORK Sample ID	Client Sample ID	Preparation Date
15J0280-01	GWQ100515:1220NP1-1-2	10/13/15
BJ50605-BLK1	Blank	10/13/15
BJ50605-BS1	LCS	10/13/15
BJ50605-BSD1	LCS Dup	10/13/15



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 BJ50605 - EPA 5030B

Blank (BJ50605-BLK1)

Prepared & Analyzed: 10/13/2015

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	1.3	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	0.36	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 BJ50605 - EPA 5030B

Blank (BJ50605-BLK1)

Prepared & Analyzed: 10/13/2015

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>9.84</i>		<i>"</i>	<i>10.0</i>		<i>98.4</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>		<i>105</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.62</i>		<i>"</i>	<i>10.0</i>		<i>96.2</i>	<i>79-122</i>				

LCS (BJ50605-BS1)

Prepared & Analyzed: 10/13/2015

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	9.61		"	10.0		96.1	78-136				
1,1,2,2-Tetrachloroethane	9.68		"	10.0		96.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165				
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123				
1,1-Dichloroethane	12.0		"	10.0		120	82-129				
1,1-Dichloroethylene	10.3		"	10.0		103	68-138				
1,1-Dichloropropylene	9.38		"	10.0		93.8	83-133				
1,2,3-Trichlorobenzene	9.57		"	10.0		95.7	76-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	9.78		"	10.0		97.8	76-137				
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132				
1,2-Dibromo-3-chloropropane	9.38		"	10.0		93.8	45-147				
1,2-Dibromoethane	10.2		"	10.0		102	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	9.39		"	10.0		93.9	73-132				
1,2-Dichloropropane	10.8		"	10.0		108	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122				
1,3-Dichloropropane	10.3		"	10.0		103	81-125				
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124				
2,2-Dichloropropane	10.9		"	10.0		109	56-150				
2-Chlorotoluene	10.5		"	10.0		105	79-130				
2-Hexanone	8.90		"	10.0		89.0	51-146				
4-Chlorotoluene	10.5		"	10.0		105	79-128				
Acetone	7.64		"	10.0		76.4	14-150				
Benzene	11.1		"	10.0		111	85-126				
Bromobenzene	9.78		"	10.0		97.8	78-129				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	11.2		"	10.0		112	79-128				
Bromoform	11.0		"	10.0		110	78-133				
Bromomethane	2.93		"	10.0		29.3	43-168	Low Bias			
Carbon tetrachloride	9.27		"	10.0		92.7	77-141				
Chlorobenzene	10.6		"	10.0		106	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 BJ50605 - EPA 5030B

LCS (BJ50605-BS1)

Prepared & Analyzed: 10/13/2015

Chloroethane	11.5		ug/L	10.0		115	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	8.15		"	10.0		81.5	43-155				
cis-1,2-Dichloroethylene	11.6		"	10.0		116	83-129				
cis-1,3-Dichloropropylene	9.59		"	10.0		95.9	80-131				
Dibromochloromethane	11.0		"	10.0		110	80-130				
Dibromomethane	11.6		"	10.0		116	72-134				
Dichlorodifluoromethane	8.44		"	10.0		84.4	44-144				
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	8.92		"	10.0		89.2	67-146				
Isopropylbenzene	10.3		"	10.0		103	76-140				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135				
Methylene chloride	10.5		"	10.0		105	55-137				
Naphthalene	9.38		"	10.0		93.8	70-147				
n-Butylbenzene	10.6		"	10.0		106	79-132				
n-Propylbenzene	10.5		"	10.0		105	78-133				
o-Xylene	11.1		"	10.0		111	78-130				
p- & m- Xylenes	22.9		"	20.0		115	77-133				
p-Isopropyltoluene	10.8		"	10.0		108	81-136				
sec-Butylbenzene	10.5		"	10.0		105	79-137				
Styrene	11.7		"	10.0		117	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	11.7		"	10.0		117	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11.5		"	10.0		115	80-132				
trans-1,3-Dichloropropylene	9.60		"	10.0		96.0	78-131				
Trichloroethylene	14.3		"	10.0		143	82-128	High Bias			
Trichlorofluoromethane	9.73		"	10.0		97.3	67-139				
Vinyl Chloride	6.89		"	10.0		68.9	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	10.5		"	10.0		105	81-117				
Surrogate: p-Bromofluorobenzene	9.54		"	10.0		95.4	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 BJ50605 - EPA 5030B											
LCS Dup (BJ50605-BS01)						Prepared & Analyzed: 10/13/2015					
1,1,1,2-Tetrachloroethane	11.6		ug/L	10.0		116	82-126		4.86	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		4.18	30	
1,1,2,2-Tetrachloroethane	9.80		"	10.0		98.0	76-129		1.23	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		6.73	30	
1,1,2-Trichloroethane	10.5		"	10.0		105	82-123		0.191	30	
1,1-Dichloroethane	11.2		"	10.0		112	82-129		7.16	30	
1,1-Dichloroethylene	10.0		"	10.0		100	68-138		2.57	30	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		12.5	30	
1,2,3-Trichlorobenzene	9.85		"	10.0		98.5	76-136		2.88	30	
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128		1.07	30	
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137		3.91	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132		1.37	30	
1,2-Dibromo-3-chloropropane	9.85		"	10.0		98.5	45-147		4.89	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		3.09	30	
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123		0.567	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		7.09	30	
1,2-Dichloropropane	10.9		"	10.0		109	78-126		0.554	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		1.75	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122		2.94	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		0.00	30	
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124		0.189	30	
2,2-Dichloropropane	9.24		"	10.0		92.4	56-150		16.2	30	
2-Chlorotoluene	10.7		"	10.0		107	79-130		2.16	30	
2-Hexanone	9.08		"	10.0		90.8	51-146		2.00	30	
4-Chlorotoluene	10.7		"	10.0		107	79-128		1.32	30	
Acetone	6.88		"	10.0		68.8	14-150		10.5	30	
Benzene	11.2		"	10.0		112	85-126		0.180	30	
Bromobenzene	10.1		"	10.0		101	78-129		3.12	30	
Bromochloromethane	8.81		"	10.0		88.1	77-128		14.2	30	
Bromodichloromethane	11.3		"	10.0		113	79-128		0.802	30	
Bromoform	11.2		"	10.0		112	78-133		1.98	30	
Bromomethane	2.49		"	10.0		24.9	43-168	Low Bias	16.2	30	
Carbon tetrachloride	9.52		"	10.0		95.2	77-141		2.66	30	
Chlorobenzene	10.8		"	10.0		108	88-120		2.14	30	
Chloroethane	10.0		"	10.0		100	65-136		13.1	30	
Chloroform	9.74		"	10.0		97.4	82-128		11.9	30	
Chloromethane	7.61		"	10.0		76.1	43-155		6.85	30	
cis-1,2-Dichloroethylene	9.15		"	10.0		91.5	83-129		23.3	30	
cis-1,3-Dichloropropylene	9.74		"	10.0		97.4	80-131		1.55	30	
Dibromochloromethane	11.0		"	10.0		110	80-130		0.454	30	
Dibromomethane	11.4		"	10.0		114	72-134		1.82	30	
Dichlorodifluoromethane	7.67		"	10.0		76.7	44-144		9.56	30	
Ethyl Benzene	11.1		"	10.0		111	80-131		2.09	30	
Hexachlorobutadiene	9.49		"	10.0		94.9	67-146		6.19	30	
Isopropylbenzene	10.6		"	10.0		106	76-140		2.96	30	
Methyl tert-butyl ether (MTBE)	9.61		"	10.0		96.1	76-135		13.1	30	
Methylene chloride	9.82		"	10.0		98.2	55-137		6.50	30	
Naphthalene	9.47		"	10.0		94.7	70-147		0.955	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		1.59	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		1.70	30	
o-Xylene	11.3		"	10.0		113	78-130		2.14	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

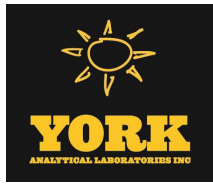
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BJ50605 - EPA 5030B

LCS Dup (BJ50605-BSD1)

Prepared & Analyzed: 10/13/2015

p- & m- Xylenes	23.2		ug/L	20.0		116	77-133		1.04	30	
p-Isopropyltoluene	11.1		"	10.0		111	81-136		2.64	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		0.855	30	
Styrene	12.0		"	10.0		120	67-132		2.44	30	
tert-Butylbenzene	10.5		"	10.0		105	77-138		2.59	30	
Tetrachloroethylene	11.7		"	10.0		117	82-131		0.341	30	
Toluene	11.0		"	10.0		110	80-127		2.20	30	
trans-1,2-Dichloroethylene	9.64		"	10.0		96.4	80-132		17.4	30	
trans-1,3-Dichloropropylene	9.34		"	10.0		93.4	78-131		2.75	30	
Trichloroethylene	11.7		"	10.0		117	82-128		20.3	30	
Trichlorofluoromethane	8.97		"	10.0		89.7	67-139		8.13	30	
Vinyl Chloride	6.40		"	10.0		64.0	58-145		7.37	30	
Surrogate: 1,2-Dichloroethane-d4	9.72		"	10.0		97.2	69-130				
Surrogate: Toluene-d8	10.6		"	10.0		106	81-117				
Surrogate: p-Bromofluorobenzene	9.64		"	10.0		96.4	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15J0280-01	GWQ100515:1220NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

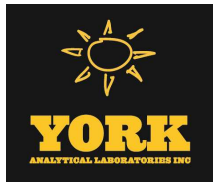
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



YORK

ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 15J0280

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>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>
Address: <u>4 Research Dr, Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>
Phone No. <u>203-929-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>
Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>	Contact Person: <u>Same</u>
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>	E-Mail Address: <u>Same</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>	E-Mail Address: <u>Same</u>	E-Mail Address: <u>Same</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.

Evan Foster
Name (printed)
Evan Foster
Name (printed)

Samples Collected/Authorized By (Signature)

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

Volatiles

8260 full

624

STARS list

BTEX

MTBE

TCL list

TAGM list

CT RCP list

Site Spec.

Nascon Co.

Suffolk Co.

Acids Only

PAH list

App. IX

Site Spec.

SELP or TCLP

TCL list

App. IX

Chloride

LIST Below

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Heating

Semi-Volatiles

8270 or 625

8082 PCB

STARS list

EN Only

Acids Only

PAH list

App. IX

Site Spec.

SELP or TCLP

TCL list

App. IX

Chloride

LIST Below

Heating

Heating

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Metals

TPH GRO

TPH DRG

CT ETPH

NY 310-13

TPH 1664

TPH 1664

Air TO14A

Air TO15

Air STARS

Air VHF

Air TICs

Heating

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Electronic Data Deliverables (EDD)

Simple Excel

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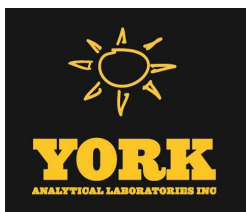
Summary w/ QA Summary

Summary w/ QA Summary

Summary w/ QA Summary

CT RCP Package

CT RCP Package



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/15/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15J0276

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/15/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15J0276

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 October 07, 2015 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>
15J0276-01	WQ100515:1230 FRW-1	Water	10/05/2015	10/07/2015
15J0276-02	WQ100515:1235 FRW-2	Water	10/05/2015	10/07/2015
15J0276-03	WQ100515:1240 FRW-3	Water	10/05/2015	10/07/2015
15J0276-04	WQ100515:1245 FRW-4	Water	10/05/2015	10/07/2015

General Notes for York Project (SDG) No.: 15J0276

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: 10/15/2015





Sample Information

Client Sample ID: WQ100515:1230 FRW-1

York Sample ID: 15J0276-01

York Project (SDG) No.

15J0276

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

October 5, 2015 12:30 pm

Date Received

10/07/2015

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	10/14/2015 16:48	10/15/2015 07:07	SS
71-55-6	1,1,1-Trichloroethane	0.65		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	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	10/14/2015 16:48	10/15/2015 07:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS



Sample Information

Client Sample ID: WQ100515:1230 FRW-1

York Sample ID: 15J0276-01

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:30 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 07:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
156-59-2	cis-1,2-Dichloroethylene	0.38	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS



Sample Information

Client Sample ID: WQ100515:1230 FRW-1

York Sample ID: 15J0276-01

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:30 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 07:07	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 16:48	10/15/2015 07:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 16:48	10/15/2015 07:07	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
127-18-4	Tetrachloroethylene	50		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
79-01-6	Trichloroethylene	0.69		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/14/2015 16:48	10/15/2015 07:07	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %	69-130								
2037-26-5	Surrogate: Toluene-d8	107 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.6 %	79-122								



Sample Information

Client Sample ID: WQ100515:1235 FRW-2

York Sample ID: 15J0276-02

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:30 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 07:54	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	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	10/14/2015 16:48	10/15/2015 07:54	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS



Sample Information

Client Sample ID: WQ100515:1235 FRW-2

York Sample ID: 15J0276-02

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:30 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 07:54	SS
67-64-1	Acetone	3.0	CCV-E, SCAL-E	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
156-59-2	cis-1,2-Dichloroethylene	0.30	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS



Sample Information

Client Sample ID: WQ100515:1235 FRW-2

York Sample ID: 15J0276-02

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:30 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 07:54	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 16:48	10/15/2015 07:54	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 16:48	10/15/2015 07:54	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
127-18-4	Tetrachloroethylene	29		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
79-01-6	Trichloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/14/2015 16:48	10/15/2015 07:54	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	97.7 %		69-130							
2037-26-5	Surrogate: Toluene-d8	129 %	S-08	81-117							
460-00-4	Surrogate: p-Bromofluorobenzene	108 %		79-122							



Sample Information

Client Sample ID: WQ100515:1240 FRW-3

York Sample ID: 15J0276-03

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:40 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 08:34	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	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	10/14/2015 16:48	10/15/2015 08:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
108-67-8	1,3,5-Trimethylbenzene	0.36	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS



Sample Information

Client Sample ID: WQ100515:1240 FRW-3

York Sample ID: 15J0276-03

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:40 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 08:34	SS
67-64-1	Acetone	1.1	CCV-E, SCAL- E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
156-59-2	cis-1,2-Dichloroethylene	1.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
98-82-8	Isopropylbenzene	0.59		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS



Sample Information

Client Sample ID: WQ100515:1240 FRW-3

York Sample ID: 15J0276-03

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:40 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 08:34	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
103-65-1	n-Propylbenzene	0.44	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 16:48	10/15/2015 08:34	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 16:48	10/15/2015 08:34	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
127-18-4	Tetrachloroethylene	24		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
79-01-6	Trichloroethylene	1.6		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/14/2015 16:48	10/15/2015 08:34	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
2037-26-5	Surrogate: Toluene-d8	115 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	119 %	79-122								



Sample Information

Client Sample ID: WQ100515:1245 FRW-4

York Sample ID: 15J0276-04

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:45 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 09:11	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	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	10/14/2015 16:48	10/15/2015 09:11	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS



Sample Information

Client Sample ID: WQ100515:1245 FRW-4

York Sample ID: 15J0276-04

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:45 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 09:11	SS
67-64-1	Acetone	1.0	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
156-59-2	cis-1,2-Dichloroethylene	1.1		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS



Sample Information

Client Sample ID: WQ100515:1245 FRW-4

York Sample ID: 15J0276-04

York Project (SDG) No.
15J0276

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
October 5, 2015 12:45 pm

Date Received
10/07/2015

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	10/14/2015 16:48	10/15/2015 09:11	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 16:48	10/15/2015 09:11	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	10/14/2015 16:48	10/15/2015 09:11	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
127-18-4	Tetrachloroethylene	2.7		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	10/14/2015 16:48	10/15/2015 09:11	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	114 %	69-130								
2037-26-5	Surrogate: Toluene-d8	98.4 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	109 %	79-122								



Analytical Batch Summary

Batch ID: BJ50682

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
15J0276-01	WQ100515:1230 FRW-1	10/14/15
15J0276-02	WQ100515:1235 FRW-2	10/14/15
15J0276-03	WQ100515:1240 FRW-3	10/14/15
15J0276-04	WQ100515:1245 FRW-4	10/14/15
BJ50682-BLK1	Blank	10/14/15
BJ50682-BS1	LCS	10/14/15
BJ50682-BSD1	LCS Dup	10/14/15



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 BJ50682 - EPA 5030B											
Blank (BJ50682-BLK1)											
Prepared: 10/14/2015 Analyzed: 10/15/2015											
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	1.8	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 BJ50682 - EPA 5030B

Blank (BJ50682-BLK1)

Prepared: 10/14/2015 Analyzed: 10/15/2015

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

11.5

"

10.0

115

69-130

Surrogate: Toluene-d8

13.6

"

10.0

136

81-117

Surrogate: p-Bromofluorobenzene

9.96

"

10.0

99.6

79-122

LCS (BJ50682-BS1)

Prepared: 10/14/2015 Analyzed: 10/15/2015

1,1,1,2-Tetrachloroethane	11.8		ug/L	10.0		118	82-126
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	54-165
1,1,2-Trichloroethane	11.1		"	10.0		111	82-123
1,1-Dichloroethane	11.3		"	10.0		113	82-129
1,1-Dichloroethylene	11.4		"	10.0		114	68-138
1,1-Dichloropropylene	10.2		"	10.0		102	83-133
1,2,3-Trichlorobenzene	10.2		"	10.0		102	76-136
1,2,3-Trichloropropane	10.9		"	10.0		109	77-128
1,2,4-Trichlorobenzene	10.5		"	10.0		105	76-137
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132
1,2-Dibromo-3-chloropropane	11.3		"	10.0		113	45-147
1,2-Dibromoethane	10.8		"	10.0		108	83-124
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123
1,2-Dichloroethane	11.3		"	10.0		113	73-132
1,2-Dichloropropane	10.8		"	10.0		108	78-126
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122
1,3-Dichloropropane	11.6		"	10.0		116	81-125
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124
2,2-Dichloropropane	6.37		"	10.0		63.7	56-150
2-Chlorotoluene	10.5		"	10.0		105	79-130
2-Hexanone	11.1		"	10.0		111	51-146
4-Chlorotoluene	10.5		"	10.0		105	79-128
Acetone	13.2		"	10.0		132	14-150
Benzene	10.7		"	10.0		107	85-126
Bromobenzene	10.4		"	10.0		104	78-129
Bromochloromethane	11.6		"	10.0		116	77-128
Bromodichloromethane	11.7		"	10.0		117	79-128
Bromoform	11.0		"	10.0		110	78-133
Bromomethane	13.0		"	10.0		130	43-168
Carbon tetrachloride	11.0		"	10.0		110	77-141
Chlorobenzene	10.9		"	10.0		109	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 BJ50682 - EPA 5030B

LCS (BJ50682-BS1)

Prepared: 10/14/2015 Analyzed: 10/15/2015

Chloroethane	10.1		ug/L	10.0		101	65-136				
Chloroform	11.2		"	10.0		112	82-128				
Chloromethane	4.45		"	10.0		44.5	43-155				
cis-1,2-Dichloroethylene	9.75		"	10.0		97.5	83-129				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131				
Dibromochloromethane	11.4		"	10.0		114	80-130				
Dibromomethane	12.7		"	10.0		127	72-134				
Dichlorodifluoromethane	12.5		"	10.0		125	44-144				
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl tert-butyl ether (MTBE)	10.8		"	10.0		108	76-135				
Methylene chloride	9.80		"	10.0		98.0	55-137				
Naphthalene	10.5		"	10.0		105	70-147				
n-Butylbenzene	10.4		"	10.0		104	79-132				
n-Propylbenzene	10.4		"	10.0		104	78-133				
o-Xylene	11.1		"	10.0		111	78-130				
p- & m- Xylenes	22.1		"	20.0		111	77-133				
p-Isopropyltoluene	10.5		"	10.0		105	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	12.2		"	10.0		122	67-132				
tert-Butylbenzene	10.6		"	10.0		106	77-138				
Tetrachloroethylene	10.2		"	10.0		102	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	10.5		"	10.0		105	80-132				
trans-1,3-Dichloropropylene	8.57		"	10.0		85.7	78-131				
Trichloroethylene	10.9		"	10.0		109	82-128				
Trichlorofluoromethane	9.34		"	10.0		93.4	67-139				
Vinyl Chloride	10.4		"	10.0		104	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: Toluene-d8	9.75		"	10.0		97.5	81-117				
Surrogate: p-Bromofluorobenzene	9.75		"	10.0		97.5	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 BJ50682 - EPA 5030B											
LCS Dup (BJ50682-BSD1)						Prepared: 10/14/2015 Analyzed: 10/15/2015					
1,1,1,2-Tetrachloroethane	12.0		ug/L	10.0		120	82-126		1.94	30	
1,1,1-Trichloroethane	11.3		"	10.0		113	78-136		2.70	30	
1,1,2,2-Tetrachloroethane	11.0		"	10.0		110	76-129		2.76	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165		3.36	30	
1,1,2-Trichloroethane	11.5		"	10.0		115	82-123		3.71	30	
1,1-Dichloroethane	11.7		"	10.0		117	82-129		3.38	30	
1,1-Dichloroethylene	11.4		"	10.0		114	68-138		0.264	30	
1,1-Dichloropropylene	10.6		"	10.0		106	83-133		4.02	30	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136		5.50	30	
1,2,3-Trichloropropane	11.5		"	10.0		115	77-128		5.53	30	
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137		4.21	30	
1,2,4-Trimethylbenzene	10.7		"	10.0		107	82-132		3.13	30	
1,2-Dibromo-3-chloropropane	11.8		"	10.0		118	45-147		4.25	30	
1,2-Dibromoethane	10.9		"	10.0		109	83-124		0.461	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123		4.32	30	
1,2-Dichloroethane	11.9		"	10.0		119	73-132		5.69	30	
1,2-Dichloropropane	10.3		"	10.0		103	78-126		4.73	30	
1,3,5-Trimethylbenzene	10.9		"	10.0		109	80-131		4.41	30	
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122		3.70	30	
1,3-Dichloropropane	11.8		"	10.0		118	81-125		1.71	30	
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124		1.99	30	
2,2-Dichloropropane	6.69		"	10.0		66.9	56-150		4.90	30	
2-Chlorotoluene	10.9		"	10.0		109	79-130		3.54	30	
2-Hexanone	11.9		"	10.0		119	51-146		7.38	30	
4-Chlorotoluene	10.8		"	10.0		108	79-128		3.38	30	
Acetone	12.6		"	10.0		126	14-150		4.75	30	
Benzene	10.7		"	10.0		107	85-126		0.374	30	
Bromobenzene	10.9		"	10.0		109	78-129		4.42	30	
Bromochloromethane	12.0		"	10.0		120	77-128		3.32	30	
Bromodichloromethane	11.5		"	10.0		115	79-128		1.99	30	
Bromoform	11.5		"	10.0		115	78-133		4.34	30	
Bromomethane	13.8		"	10.0		138	43-168		6.11	30	
Carbon tetrachloride	11.5		"	10.0		115	77-141		4.72	30	
Chlorobenzene	11.1		"	10.0		111	88-120		1.82	30	
Chloroethane	11.1		"	10.0		111	65-136		8.78	30	
Chloroform	11.7		"	10.0		117	82-128		3.58	30	
Chloromethane	4.90		"	10.0		49.0	43-155		9.63	30	
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129		14.3	30	
cis-1,3-Dichloropropylene	11.7		"	10.0		117	80-131		11.2	30	
Dibromochloromethane	11.7		"	10.0		117	80-130		2.94	30	
Dibromomethane	11.8		"	10.0		118	72-134		7.59	30	
Dichlorodifluoromethane	7.64		"	10.0		76.4	44-144		48.0	30	Non-dir.
Ethyl Benzene	11.2		"	10.0		112	80-131		2.36	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		2.74	30	
Isopropylbenzene	11.0		"	10.0		110	76-140		4.20	30	
Methyl tert-butyl ether (MTBE)	12.4		"	10.0		124	76-135		13.7	30	
Methylene chloride	11.3		"	10.0		113	55-137		14.0	30	
Naphthalene	11.0		"	10.0		110	70-147		4.36	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		3.40	30	
n-Propylbenzene	10.8		"	10.0		108	78-133		3.95	30	
o-Xylene	11.3		"	10.0		113	78-130		2.05	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 BJ50682 - EPA 5030B

LCS Dup (BJ50682-BSD1)

Prepared: 10/14/2015 Analyzed: 10/15/2015

p- & m- Xylenes	22.8		ug/L	20.0		114	77-133		3.07	30	
p-Isopropyltoluene	11.0		"	10.0		110	81-136		4.55	30	
sec-Butylbenzene	10.8		"	10.0		108	79-137		4.06	30	
Styrene	12.6		"	10.0		126	67-132		3.55	30	
tert-Butylbenzene	11.0		"	10.0		110	77-138		4.09	30	
Tetrachloroethylene	10.5		"	10.0		105	82-131		3.29	30	
Toluene	11.0		"	10.0		110	80-127		5.61	30	
trans-1,2-Dichloroethylene	12.2		"	10.0		122	80-132		14.8	30	
trans-1,3-Dichloropropylene	8.97		"	10.0		89.7	78-131		4.56	30	
Trichloroethylene	11.1		"	10.0		111	82-128		2.27	30	
Trichlorofluoromethane	9.84		"	10.0		98.4	67-139		5.21	30	
Vinyl Chloride	11.2		"	10.0		112	58-145		7.41	30	
Surrogate: 1,2-Dichloroethane-d4	11.2		"	10.0		112	69-130				
Surrogate: Toluene-d8	10.5		"	10.0		105	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15J0276-01	WQ100515:1230 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15J0276-02	WQ100515:1235 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15J0276-03	WQ100515:1240 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15J0276-04	WQ100515:1245 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%).
S-08	The recovery of this surrogate was outside of QC limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

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

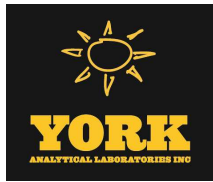
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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

ANALYTICAL LABORATORIES, INC.

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. Your signature binds you to York's Std. Terms & Conditions.

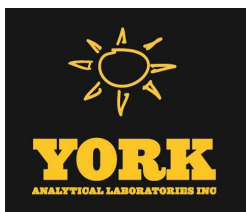
York Project No. 1550276

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Dec'd at 10/15 13.18

 $(RW \& FRW)$

APPENDIX III
OCTOBER 2015 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: 11/02/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15J0888

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 11/02/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15J0888

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 October 22, 2015 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>
15J0888-01	AQ102015:1030 NP4-1	Vapor Extraction	10/20/2015	10/22/2015
15J0888-02	AQ102015:1035 NP4-2	Vapor Extraction	10/20/2015	10/22/2015
15J0888-03	AQ102015:1040 NP4-3	Vapor Extraction	10/20/2015	10/22/2015

General Notes for York Project (SDG) No.: 15J0888

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: 11/02/2015





Sample Information

Client Sample ID: AQ102015:1030 NP4-1

York Sample ID: 15J0888-01

York Project (SDG) No.

15J0888

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

October 20, 2015 10:30 am

Date Received

10/22/2015

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	1.2	1.2	1.738	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:04	ALD
71-55-6	1,1,1-Trichloroethane	1.4		ug/m ³	0.95	0.95	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.95	0.95	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.70	0.70	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
95-63-6	1,2,4-Trimethylbenzene	1.0		ug/m ³	0.85	0.85	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.70	0.70	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	2.3	2.3	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:04	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
78-93-3	2-Butanone	ND		ug/m ³	0.51	0.51	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.738	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:04	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	2.7	2.7	1.738	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:04	ALD



Sample Information

Client Sample ID: AQ102015:1030 NP4-1

York Sample ID: 15J0888-01

York Project (SDG) No.
15J0888

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 20, 2015 10:30 am

Date Received
10/22/2015

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
67-64-1	Acetone	2.0		ug/m ³	0.83	0.83	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	0.38	0.38	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
71-43-2	Benzene	ND		ug/m ³	0.56	0.56	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.90	0.90	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.67	0.67	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.54	0.54	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.27	0.27	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.46	0.46	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
67-66-3	Chloroform	1.8		ug/m ³	0.85	0.85	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
74-87-3	Chloromethane	1.0		ug/m ³	0.36	0.36	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
156-59-2	cis-1,2-Dichloroethylene	0.83		ug/m ³	0.69	0.69	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.79	0.79	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.60	0.60	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.86	0.86	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD



Sample Information

Client Sample ID: AQ102015:1030 NP4-1

York Sample ID: 15J0888-01

York Project (SDG) No.
15J0888

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 20, 2015 10:30 am

Date Received
10/22/2015

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.63	0.63	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-09-2	Methylene chloride	2.2		ug/m ³	1.2	1.2	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
110-54-3	n-Hexane	0.86		ug/m ³	0.61	0.61	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:04	ALD
115-07-1	* Propylene	ND		ug/m ³	0.30	0.30	1.738	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:04	ALD
100-42-5	Styrene	ND		ug/m ³	0.74	0.74	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
127-18-4	Tetrachloroethylene	4.0		ug/m ³	0.29	0.29	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:04	ALD
108-88-3	Toluene	ND		ug/m ³	0.65	0.65	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.79	0.79	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
79-01-6	Trichloroethylene	4.1		ug/m ³	0.23	0.23	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.3		ug/m ³	0.98	0.98	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.61	0.61	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	0.76	0.76	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	0.44	0.44	1.738	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:04	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	98.4 %	72-118								



Sample Information

Client Sample ID: AQ102015:1035 NP4-2

York Sample ID: 15J0888-02

York Project (SDG) No.
15J0888

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 20, 2015 10:35 am

Date Received
10/22/2015

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	1.2	1.2	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD
71-55-6	1,1,1-Trichloroethane	1.3		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	2.2	2.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
78-93-3	2-Butanone	2.1		ug/m ³	0.50	0.50	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	2.6	2.6	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD



Sample Information

Client Sample ID: AQ102015:1035 NP4-2

York Sample ID: 15J0888-02

York Project (SDG) No.
15J0888

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 20, 2015 10:35 am

Date Received
10/22/2015

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
108-10-1	4-Methyl-2-pentanone	1.6		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
67-64-1	Acetone	15		ug/m ³	0.80	0.80	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	0.36	0.36	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD
71-43-2	Benzene	ND		ug/m ³	0.54	0.54	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.87	0.87	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-25-2	Bromoform	ND		ug/m ³	1.7	1.7	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.65	0.65	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.52	0.52	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	0.26	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.77	0.77	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.44	0.44	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
67-66-3	Chloroform	ND		ug/m ³	0.82	0.82	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
74-87-3	Chloromethane	1.2		ug/m ³	0.35	0.35	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
156-59-2	cis-1,2-Dichloroethylene	1.9		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.58	0.58	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-71-8	Dichlorodifluoromethane	2.4		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
67-63-0	Isopropanol	1.1		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD



Sample Information

Client Sample ID: AQ102015:1035 NP4-2

York Sample ID: 15J0888-02

York Project (SDG) No.
15J0888

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 20, 2015 10:35 am

Date Received
10/22/2015

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	0.60	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-09-2	Methylene chloride	33		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
110-54-3	n-Hexane	10		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD
115-07-1	* Propylene	ND		ug/m ³	0.29	0.29	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD
100-42-5	Styrene	ND		ug/m ³	0.72	0.72	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
127-18-4	Tetrachloroethylene	4.0		ug/m ³	0.28	0.28	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.99	0.99	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 19:59	ALD
108-88-3	Toluene	1.1		ug/m ³	0.63	0.63	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	0.23	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	2.2		ug/m ³	0.94	0.94	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	0.43	0.43	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 19:59	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	97.2 %	72-118								



Sample Information

Client Sample ID: AQ102015:1040 NP4-3

York Sample ID: 15J0888-03

York Project (SDG) No.
15J0888

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 20, 2015 10:40 am

Date Received
10/22/2015

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	1.2	1.2	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD
71-55-6	1,1,1-Trichloroethane	4.2		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.92	0.92	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.68	0.68	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	2.2	2.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.78	0.78	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
78-93-3	2-Butanone	0.69		ug/m ³	0.50	0.50	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD
107-05-1	* 3-Chloropropene	ND		ug/m ³	2.6	2.6	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD



Sample Information

Client Sample ID: AQ102015:1040 NP4-3

York Sample ID: 15J0888-03

York Project (SDG) No.
15J0888

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 20, 2015 10:40 am

Date Received
10/22/2015

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
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
67-64-1	Acetone	3.5		ug/m ³	0.80	0.80	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
107-13-1	* Acrylonitrile	ND		ug/m ³	0.36	0.36	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD
71-43-2	Benzene	ND		ug/m ³	0.54	0.54	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.87	0.87	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.0	1.0	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-25-2	Bromoform	ND		ug/m ³	1.7	1.7	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.65	0.65	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.52	0.52	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	0.26	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.77	0.77	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.44	0.44	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
67-66-3	Chloroform	ND		ug/m ³	0.82	0.82	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
74-87-3	Chloromethane	1.2		ug/m ³	0.35	0.35	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
156-59-2	cis-1,2-Dichloroethylene	1.7		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.58	0.58	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.3	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-71-8	Dichlorodifluoromethane	2.7		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD



Sample Information

Client Sample ID: AQ102015:1040 NP4-3

York Sample ID: 15J0888-03

York Project (SDG) No.
15J0888

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
October 20, 2015 10:40 am

Date Received
10/22/2015

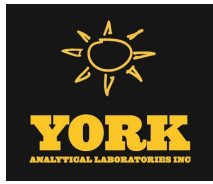
Volatile Organics, EPA TO15 Full List

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
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.60	0.60	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-09-2	Methylene chloride	7.2		ug/m ³	1.2	1.2	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.69	0.69	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
110-54-3	n-Hexane	1.5		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
95-47-6	o-Xylene	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.5	1.5	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.83	0.83	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD
115-07-1	* Propylene	ND		ug/m ³	0.29	0.29	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD
100-42-5	Styrene	ND		ug/m ³	0.72	0.72	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
127-18-4	Tetrachloroethylene	1.9		ug/m ³	0.28	0.28	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.99	0.99	1.68	EPA TO-15 Certifications:	10/31/2015 09:06	10/31/2015 20:54	ALD
108-88-3	Toluene	ND		ug/m ³	0.63	0.63	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.67	0.67	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	0.76	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	0.23	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.6		ug/m ³	0.94	0.94	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	0.59	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	0.73	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
75-01-4	Vinyl Chloride	ND		ug/m ³	0.43	0.43	1.68	EPA TO-15 Certifications: NELAC-NY10854,NJDEP	10/31/2015 09:06	10/31/2015 20:54	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	97.9 %	72-118								



Analytical Batch Summary

Batch ID: BJ51613

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
15J0888-01	AQ102015:1030 NP4-1	10/31/15
15J0888-02	AQ102015:1035 NP4-2	10/31/15
15J0888-03	AQ102015:1040 NP4-3	10/31/15
BJ51613-BLK1	Blank	10/31/15
BJ51613-BS1	LCS	10/31/15



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 BJ51613 - EPA TO15 PREP

Blank (BJ51613-BLK1)

Prepared & Analyzed: 10/31/2015

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	1.3	"
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	0.62	"
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	0.80	"
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 BJ51613 - EPA TO15 PREP

Blank (BJ51613-BLK1)

Prepared & Analyzed: 10/31/2015

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 10.1 ppbv 10.4 97.0 72-118

LCS (BJ51613-BS1)

Prepared & Analyzed: 10/31/2015

1,1,1,2-Tetrachloroethane	9.58	ppbv	10.5	91.2	82-126	
1,1,1-Trichloroethane	9.38	"	10.2	92.0	70-130	
1,1,2,2-Tetrachloroethane	8.74	"	10.3	84.9	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.38	"	10.4	90.2	70-130	
1,1,2-Trichloroethane	9.26	"	10.3	89.9	70-130	
1,1-Dichloroethane	9.24	"	10.2	90.6	70-130	
1,1-Dichloroethylene	9.61	"	10.4	92.4	70-130	
1,2,4-Trichlorobenzene	5.37	"	9.00	59.7	70-130	Low Bias
1,2,4-Trimethylbenzene	8.79	"	10.2	86.2	70-130	
1,2-Dibromoethane	9.47	"	10.4	91.1	70-130	
1,2-Dichlorobenzene	8.41	"	10.1	83.3	70-130	
1,2-Dichloroethane	9.40	"	10.2	92.2	70-130	
1,2-Dichloropropane	9.09	"	10.2	89.1	70-130	
1,2-Dichlorotetrafluoroethane	8.75	"	9.80	89.3	70-130	
1,3,5-Trimethylbenzene	8.79	"	10.0	87.9	70-130	
1,3-Butadiene	8.62	"	10.1	85.3	70-130	
1,3-Dichlorobenzene	9.00	"	10.2	88.2	70-130	
1,3-Dichloropropane	9.28	"	10.5	88.4	70-130	
1,4-Dichlorobenzene	8.96	"	10.1	88.7	70-130	
1,4-Dioxane	6.53	"	10.2	64.0	70-130	Low Bias
2-Butanone	7.67	"	10.4	73.8	70-130	
2-Hexanone	6.84	"	10.5	65.1	70-130	Low Bias
3-Chloropropene	10.2	"	10.7	95.0	70-130	
4-Methyl-2-pentanone	6.60	"	10.2	64.7	70-130	Low Bias
Acetone	8.20	"	10.6	77.4	70-130	
Acrylonitrile	8.77	"	10.3	85.1	70-130	
Benzene	9.07	"	10.3	88.1	70-130	
Benzyl chloride	7.51	"	10.2	73.6	70-130	
Bromodichloromethane	9.65	"	10.2	94.6	70-130	
Bromoform	9.44	"	10.1	93.5	70-130	
Bromomethane	8.23	"	9.50	86.6	70-130	
Carbon disulfide	10.5	"	10.5	100	70-130	
Carbon tetrachloride	9.60	"	10.2	94.1	70-130	
Chlorobenzene	9.11	"	10.5	86.8	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 BJ51613 - EPA TO15 PREP

LCS (BJ51613-BS1)

Prepared & Analyzed: 10/31/2015

Chloroethane	8.64		ppbv	9.40		91.9	70-130				
Chloroform	9.00		"	10.4		86.5	70-130				
Chloromethane	7.74		"	9.80		79.0	70-130				
cis-1,2-Dichloroethylene	9.02		"	10.2		88.4	70-130				
cis-1,3-Dichloropropylene	10.6		"	11.0		96.8	70-130				
Cyclohexane	9.59		"	10.3		93.1	70-130				
Dibromochloromethane	10.1		"	10.6		95.6	70-130				
Dichlorodifluoromethane	8.15		"	9.80		83.2	70-130				
Ethyl acetate	7.86		"	10.4		75.6	70-130				
Ethyl Benzene	9.33		"	10.4		89.7	70-130				
Hexachlorobutadiene	6.69		"	9.10		73.5	70-130				
Isopropanol	6.75		"	10.0		67.5	70-130	Low Bias			
Methyl Methacrylate	7.49		"	9.80		76.4	70-130				
Methyl tert-butyl ether (MTBE)	9.30		"	10.3		90.3	70-130				
Methylene chloride	8.80		"	10.4		84.6	70-130				
n-Heptane	9.96		"	10.5		94.9	70-130				
n-Hexane	9.90		"	10.5		94.3	70-130				
o-Xylene	9.45		"	10.3		91.7	70-130				
p- & m- Xylenes	18.7		"	20.2		92.4	70-130				
p-Ethyltoluene	8.71		"	10.0		87.1	70-130				
Propylene	9.02		"	10.6		85.1	70-130				
Styrene	9.44		"	10.2		92.5	70-130				
Tetrachloroethylene	9.17		"	9.90		92.6	70-130				
Tetrahydrofuran	7.65		"	10.6		72.2	70-130				
Toluene	9.60		"	10.5		91.4	70-130				
trans-1,2-Dichloroethylene	9.36		"	10.1		92.7	70-130				
trans-1,3-Dichloropropylene	9.75		"	10.3		94.7	70-130				
Trichloroethylene	8.96		"	10.2		87.8	70-130				
Trichlorofluoromethane (Freon 11)	9.42		"	9.90		95.2	70-130				
Vinyl acetate	10.8		"	10.7		101	70-130				
Vinyl bromide	9.86		"	10.5		93.9	70-130				
Vinyl Chloride	7.92		"	9.90		80.0	70-130				
Surrogate: p-Bromofluorobenzene	10.4		"	10.4		99.5	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.
*	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.

Field Chain-of-Custody Record - AIR

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. Your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 1550888

YOUR Information	Report To:	Invoice To:	Turn-Around Time	Report Type/Deliverables
Company: <u>LBG</u> Address: <u>4 Research Dr, Suite 300</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tonde Sander</u> E-Mail Address: <u>TSander@LBGCT.com</u>	Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____	Company: <u>Same</u> Address: _____ Phone No. _____ Attention: _____ E-Mail Address: _____	RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☒	Summary Report <u>X</u> Summary w/ QA Summary <u>X</u> CT RCP Package <u>X</u> NY ASP A Package _____ NY ASP B/CLP Pkg _____ NUDEP Reduced _____ Electronic Deliverables _____ EDD (Specify Type) _____ Standard Excel _____ Regulatory Comparison Excel _____
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> Name (printed) _____	Air Matrix Codes AI- INDOOR Ambient Air AO- OUTDOOR Amb. Air AE- Vapor Extraction Well/ Process Gas/Effluent AS- SOIL Vapor/Sub-Slab	TO15 Volatiles and Other Gas Analyses EPA TO-15 List NYSDEC VI list NYSDEC STARS List Project Specific List by TO-15 NUDEP Target List CTDEP RCP Target List	Detection Limits Required ≤ 1 ug/m³ NYSDEC VI Limits (NY report language) NUDEP low level Routine Survey Other _____	Special Instructions
Sample Identification <u>AQ102015: 1030 NP4-1</u> <u>AQ102015: 1035 NP4-2</u> <u>AQ102015: 1040 NP4-3</u>	Date Sampled <u>10-20-15</u> <u>↓</u> <u>↓</u>	AIR Matrix <u>AE</u> <u>AE</u> <u>AE</u>	Choose Analytes Needed from the Menu Above and Enter Below <u>EPA TO-15 List</u> <u>↓</u> <u>↓</u>	Sampling Media 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag 6 Liter Summa canister Tedlar Bag
Comments <u>LBG Field Room</u> <u>10/21/15 9:00</u> Samples Received By _____ Date/Time _____ <u>Place 10-22-15</u> <u>1420</u> Samples Received in LAB by _____ Date/Time _____				