

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	---	---
6-Jan-15	7.0	145	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.87	0.044
22-Jan-15	7.7	231	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	4.98	0.027

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

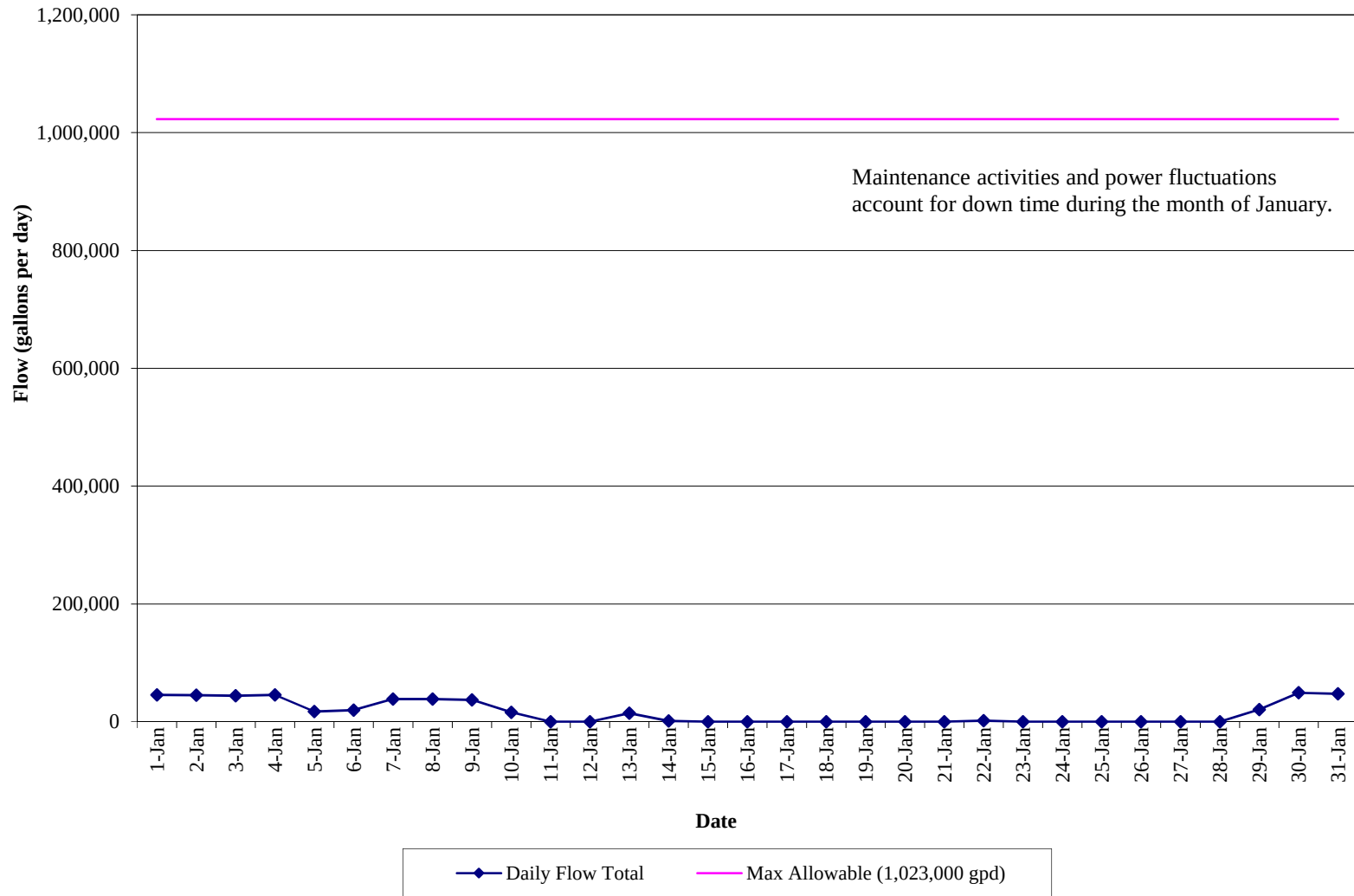
trans-1,2,-DCE: trans-1,2-Dichloroethene

Notes:

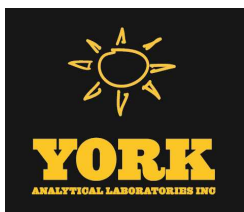
1. Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

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



APPENDIX I
JANUARY 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: 01/16/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15A0260

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 01/16/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15A0260

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 January 09, 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>
15A0260-01	WQ010615:1140NP2-10	Water	01/06/2015	01/09/2015
15A0266-01	WQ010615:1130NP2-6	Water	01/06/2015	01/09/2015
15A0266-02	WQ010615:1135NP2-7	Water	01/06/2015	01/09/2015

General Notes for York Project (SDG) No.: 15A0260

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: 01/16/2015





Sample Information

Client Sample ID: WQ010615:1140NP2-10

York Sample ID: 15A0260-01

York Project (SDG) No.

15A0260

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

January 6, 2015 11:30 am

Date Received

01/09/2015

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	01/15/2015 16:45	01/16/2015 06:20	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS



Sample Information

Client Sample ID: WQ010615:1140NP2-10

York Sample ID: 15A0260-01

York Project (SDG) No.
15A0260

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 6, 2015 11:30 am

Date Received
01/09/2015

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	01/15/2015 16:45	01/16/2015 06:20	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/15/2015 16:45	01/16/2015 06:20	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								
2037-26-5	Surrogate: Toluene-d8	96.9 %	81-117								



Sample Information

Client Sample ID: WQ010615:1140NP2-10

York Sample ID: 15A0260-01

York Project (SDG) No.
15A0260

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 6, 2015 11:30 am

Date Received
01/09/2015

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	2.87		mg/L	0.0146	0.0200	1	EPA 200.7	01/12/2015 14:25	01/13/2015 02:07	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	0.0436		mg/L	0.0200	0.0200	1	EPA 6010C	01/12/2015 14:21	01/12/2015 23:24	MW

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	145		mg/L	10.0	10.0	1	SM 2540C	01/12/2015 13:23	01/13/2015 14:58	AA

Sample Information

Client Sample ID: WQ010615:1130NP2-6

York Sample ID: 15A0266-01

York Project (SDG) No.
15A0266

Client Project ID
O&M Sag Harbor (Rowe Industries Site)

Matrix
Water

Collection Date/Time
January 6, 2015 11:30 am

Date Received
01/09/2015

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	01/15/2015 16:45	01/16/2015 08:18	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS



Sample Information

Client Sample ID: WQ010615:1130NP2-6

York Sample ID: 15A0266-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15A0266

O&M Sag Harbor (Rowe Industries Site)

Water

January 6, 2015 11:30 am

01/09/2015

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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS



Sample Information

Client Sample ID: WQ010615:1130NP2-6

York Sample ID: 15A0266-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15A0266

O&M Sag Harbor (Rowe Industries Site)

Water

January 6, 2015 11:30 am

01/09/2015

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
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
127-18-4	Tetrachloroethylene	0.37	J	ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
79-01-6	Trichloroethylene	0.40	J	ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:18	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %						69-130			
460-00-4	Surrogate: p-Bromofluorobenzene	103 %						79-122			
2037-26-5	Surrogate: Toluene-d8	101 %						81-117			

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	6.60		mg/L	0.0146	0.0200	1	EPA 200.7	01/12/2015 14:25	01/13/2015 02:12	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	ND		mg/L	0.0200	0.0200	1	EPA 6010C	01/12/2015 14:21	01/12/2015 23:43	MW



Sample Information

Client Sample ID: WQ010615:1135NP2-7

York Sample ID: 15A0266-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15A0266

O&M Sag Harbor (Rowe Industries Site)

Water

January 6, 2015 11:35 am

01/09/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes: PRES

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	01/15/2015 16:45	01/16/2015 08:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS



Sample Information

Client Sample ID: WQ010615:1135NP2-7

York Sample ID: 15A0266-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15A0266

O&M Sag Harbor (Rowe Industries Site)

Water

January 6, 2015 11:35 am

01/09/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes: PRES

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	01/15/2015 16:45	01/16/2015 08:48	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	01/15/2015 16:45	01/16/2015 08:48	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								



Sample Information

Client Sample ID: WQ010615:1135NP2-7

York Sample ID: 15A0266-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15A0266

O&M Sag Harbor (Rowe Industries Site)

Water

January 6, 2015 11:35 am

01/09/2015

Iron by EPA 200.7

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	1.84		mg/L	0.0146	0.0200	1	EPA 200.7	01/12/2015 14:25	01/13/2015 02:17	MW

Iron, Dissolved by EPA 6010

Log-in Notes: PRES

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	0.0336		mg/L	0.0200	0.0200	1	EPA 6010C	01/12/2015 14:21	01/12/2015 23:48	MW



Analytical Batch Summary

Batch ID: BA50410 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15A0260-01	WQ010615:1140NP2-10	01/12/15
BA50410-BLK1	Blank	01/12/15

Batch ID: BA50421 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15A0260-01	WQ010615:1140NP2-10	01/12/15
15A0266-01	WQ010615:1130NP2-6	01/12/15
15A0266-02	WQ010615:1135NP2-7	01/12/15
BA50421-BLK1	Blank	01/12/15
BA50421-DUP1	Duplicate	01/12/15
BA50421-MS1	Matrix Spike	01/12/15
BA50421-SRM1	Reference	01/12/15

Batch ID: BA50422 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15A0260-01	WQ010615:1140NP2-10	01/12/15
15A0266-01	WQ010615:1130NP2-6	01/12/15
15A0266-02	WQ010615:1135NP2-7	01/12/15
BA50422-BLK1	Blank	01/12/15
BA50422-SRM1	Reference	01/12/15

Batch ID: BA50662 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15A0260-01	WQ010615:1140NP2-10	01/15/15
15A0266-01	WQ010615:1130NP2-6	01/15/15
15A0266-02	WQ010615:1135NP2-7	01/15/15
BA50662-BLK1	Blank	01/15/15
BA50662-BS1	LCS	01/15/15
BA50662-BSD1	LCS Dup	01/15/15



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 BA50662 - EPA 5030B

Blank (BA50662-BLK1)

Prepared: 01/15/2015 Analyzed: 01/16/2015

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	0.65	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.51	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	0.38	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	0.20	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 BA50662 - EPA 5030B

Blank (BA50662-BLK1)

Prepared: 01/15/2015 Analyzed: 01/16/2015

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	10.9	"	10.0	109	69-130
Surrogate: p-Bromofluorobenzene	9.95	"	10.0	99.5	79-122
Surrogate: Toluene-d8	9.91	"	10.0	99.1	81-117

LCS (BA50662-BS1)

Prepared: 01/15/2015 Analyzed: 01/16/2015

1,1,1,2-Tetrachloroethane	10.1	ug/L	10.0	101	82-126
1,1,1-Trichloroethane	11.0	"	10.0	110	78-136
1,1,2,2-Tetrachloroethane	9.69	"	10.0	96.9	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.09	"	10.0	90.9	54-165
1,1,2-Trichloroethane	9.23	"	10.0	92.3	82-123
1,1-Dichloroethane	10.7	"	10.0	107	82-129
1,1-Dichloroethylene	10.6	"	10.0	106	68-138
1,1-Dichloropropylene	10.8	"	10.0	108	83-133
1,2,3-Trichlorobenzene	10.1	"	10.0	101	76-136
1,2,3-Trichloropropane	10.8	"	10.0	108	77-128
1,2,4-Trichlorobenzene	9.71	"	10.0	97.1	76-137
1,2,4-Trimethylbenzene	9.87	"	10.0	98.7	82-132
1,2-Dibromo-3-chloropropane	8.26	"	10.0	82.6	45-147
1,2-Dibromoethane	10.2	"	10.0	102	83-124
1,2-Dichlorobenzene	9.92	"	10.0	99.2	79-123
1,2-Dichloroethane	10.5	"	10.0	105	73-132
1,2-Dichloropropane	9.94	"	10.0	99.4	78-126
1,3,5-Trimethylbenzene	9.86	"	10.0	98.6	80-131
1,3-Dichlorobenzene	10.0	"	10.0	100	86-122
1,3-Dichloropropane	10.2	"	10.0	102	81-125
1,4-Dichlorobenzene	9.99	"	10.0	99.9	85-124
2,2-Dichloropropane	11.4	"	10.0	114	56-150
2-Chlorotoluene	10.2	"	10.0	102	79-130
2-Hexanone	10.4	"	10.0	104	51-146
4-Chlorotoluene	10.2	"	10.0	102	79-128
Acetone	9.08	"	10.0	90.8	14-150
Benzene	10.5	"	10.0	105	85-126
Bromobenzene	10.2	"	10.0	102	78-129
Bromochloromethane	10.6	"	10.0	106	77-128
Bromodichloromethane	10.4	"	10.0	104	79-128
Bromoform	10.4	"	10.0	104	78-133
Bromomethane	8.53	"	10.0	85.3	43-168
Carbon tetrachloride	11.2	"	10.0	112	77-141
Chlorobenzene	10.1	"	10.0	101	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 BA50662 - EPA 5030B

LCS (BA50662-BS1)

Prepared: 01/15/2015 Analyzed: 01/16/2015

Chloroethane	8.63		ug/L	10.0		86.3	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	9.18		"	10.0		91.8	43-155				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	11.1		"	10.0		111	80-131				
Dibromochloromethane	10.3		"	10.0		103	80-130				
Dibromomethane	10.1		"	10.0		101	72-134				
Dichlorodifluoromethane	9.94		"	10.0		99.4	44-144				
Ethyl Benzene	9.94		"	10.0		99.4	80-131				
Hexachlorobutadiene	10.2		"	10.0		102	67-146				
Isopropylbenzene	10.2		"	10.0		102	76-140				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135				
Methylene chloride	10.6		"	10.0		106	55-137				
Naphthalene	10.1		"	10.0		101	70-147				
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	10.1		"	10.0		101	78-130				
p- & m- Xylenes	20.3		"	20.0		102	77-133				
p-Isopropyltoluene	10.3		"	10.0		103	81-136				
sec-Butylbenzene	10.3		"	10.0		103	79-137				
Styrene	10.6		"	10.0		106	67-132				
tert-Butylbenzene	10.4		"	10.0		104	77-138				
Tetrachloroethylene	10.1		"	10.0		101	82-131				
Toluene	9.91		"	10.0		99.1	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	8.87		"	10.0		88.7	67-139				
Vinyl Chloride	9.90		"	10.0		99.0	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				
Surrogate: Toluene-d8	9.90		"	10.0		99.0	81-117				



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 BA50662 - EPA 5030B											
LCS Dup (BA50662-BSD1)						Prepared: 01/15/2015 Analyzed: 01/16/2015					
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126		4.74	30	
1,1,1-Trichloroethane	10.9		"	10.0		109	78-136		0.456	30	
1,1,2,2-Tetrachloroethane	9.84		"	10.0		98.4	76-129		1.54	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.48		"	10.0		94.8	54-165		4.20	30	
1,1,2-Trichloroethane	9.69		"	10.0		96.9	82-123		4.86	30	
1,1-Dichloroethane	10.8		"	10.0		108	82-129		0.742	30	
1,1-Dichloroethylene	10.8		"	10.0		108	68-138		1.50	30	
1,1-Dichloropropylene	11.0		"	10.0		110	83-133		2.48	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	76-136		2.92	30	
1,2,3-Trichloropropane	10.9		"	10.0		109	77-128		1.20	30	
1,2,4-Trichlorobenzene	10.1		"	10.0		101	76-137		4.23	30	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		4.36	30	
1,2-Dibromo-3-chloropropane	9.10		"	10.0		91.0	45-147		9.68	30	
1,2-Dibromoethane	10.4		"	10.0		104	83-124		1.75	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		3.56	30	
1,2-Dichloroethane	10.8		"	10.0		108	73-132		2.16	30	
1,2-Dichloropropane	10.7		"	10.0		107	78-126		6.99	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		4.46	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122		4.29	30	
1,3-Dichloropropane	10.8		"	10.0		108	81-125		6.57	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		2.67	30	
2,2-Dichloropropane	11.6		"	10.0		116	56-150		1.75	30	
2-Chlorotoluene	10.4		"	10.0		104	79-130		2.03	30	
2-Hexanone	10.9		"	10.0		109	51-146		4.31	30	
4-Chlorotoluene	10.4		"	10.0		104	79-128		1.65	30	
Acetone	8.40		"	10.0		84.0	14-150		7.78	30	
Benzene	10.7		"	10.0		107	85-126		2.07	30	
Bromobenzene	10.4		"	10.0		104	78-129		1.84	30	
Bromochloromethane	10.7		"	10.0		107	77-128		1.03	30	
Bromodichloromethane	10.9		"	10.0		109	79-128		4.42	30	
Bromoform	11.0		"	10.0		110	78-133		5.63	30	
Bromomethane	8.89		"	10.0		88.9	43-168		4.13	30	
Carbon tetrachloride	11.1		"	10.0		111	77-141		0.898	30	
Chlorobenzene	10.5		"	10.0		105	88-120		3.70	30	
Chloroethane	9.09		"	10.0		90.9	65-136		5.19	30	
Chloroform	11.1		"	10.0		111	82-128		4.63	30	
Chloromethane	9.21		"	10.0		92.1	43-155		0.326	30	
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129		3.54	30	
cis-1,3-Dichloropropylene	11.6		"	10.0		116	80-131		5.02	30	
Dibromochloromethane	10.9		"	10.0		109	80-130		5.28	30	
Dibromomethane	10.9		"	10.0		109	72-134		8.29	30	
Dichlorodifluoromethane	10.1		"	10.0		101	44-144		1.50	30	
Ethyl Benzene	10.6		"	10.0		106	80-131		5.95	30	
Hexachlorobutadiene	10.2		"	10.0		102	67-146		0.00	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		2.70	30	
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135		0.0943	30	
Methylene chloride	11.2		"	10.0		112	55-137		4.68	30	
Naphthalene	10.5		"	10.0		105	70-147		3.40	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		3.17	30	
n-Propylbenzene	10.6		"	10.0		106	78-133		3.45	30	
o-Xylene	10.7		"	10.0		107	78-130		5.29	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 BA50662 - EPA 5030B

LCS Dup (BA50662-BSD1)

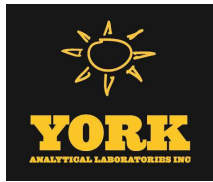
Prepared: 01/15/2015 Analyzed: 01/16/2015

p- & m- Xylenes	21.4		ug/L	20.0		107	77-133		5.13	30	
p-Isopropyltoluene	10.6		"	10.0		106	81-136		2.98	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		3.91	30	
Styrene	11.1		"	10.0		111	67-132		3.87	30	
tert-Butylbenzene	10.8		"	10.0		108	77-138		3.68	30	
Tetrachloroethylene	10.3		"	10.0		103	82-131		1.97	30	
Toluene	10.4		"	10.0		104	80-127		4.92	30	
trans-1,2-Dichloroethylene	11.2		"	10.0		112	80-132		5.69	30	
trans-1,3-Dichloropropylene	10.8		"	10.0		108	78-131		1.11	30	
Trichloroethylene	10.7		"	10.0		107	82-128		3.91	30	
Trichlorofluoromethane	9.59		"	10.0		95.9	67-139		7.80	30	
Vinyl Chloride	10.2		"	10.0		102	58-145		2.69	30	
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: p-Bromofluorobenzene	9.99		"	10.0		99.9	79-122				
Surrogate: Toluene-d8	9.83		"	10.0		98.3	81-117				



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 BA50421 - EPA 3010A											
Blank (BA50421-BLK1)								Prepared & Analyzed: 01/12/2015			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BA50421-DUP1)								*Source sample: 15A0260-01 (WQ010615:1140NP2-10) Prepared & Analyzed: 01/12/2015			
Iron - Dissolved	0.0434	0.0200	mg/L		0.0436				0.350	20	
Matrix Spike (BA50421-MS1)								*Source sample: 15A0260-01 (WQ010615:1140NP2-10) Prepared & Analyzed: 01/12/2015			
Iron - Dissolved	1.07	0.0200	mg/L	1.00	0.0436	103	75-125				
Reference (BA50421-SRM1)								Prepared & Analyzed: 01/12/2015			
Iron - Dissolved	2.68	0.0200	mg/L	2.58		104	84.9-115				
Batch BA50422 - EPA 3010A											
Blank (BA50422-BLK1)								Prepared & Analyzed: 01/12/2015			
Iron	ND	0.0200	mg/L								
Reference (BA50422-SRM1)								Prepared: 01/12/2015 Analyzed: 01/13/2015			
Iron	2.66	0.0200	mg/L	2.58		103	84.9-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA50410 - % Solids Prep

Blank (BA50410-BLK1)

Prepared: 01/12/2015 Analyzed: 01/13/2015

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

Lab ID	Client Sample ID	Volatile Sample Container
15A0260-01	WQ010615:1140NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0266-01	WQ010615:1130NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0266-02	WQ010615:1135NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

PRES	Sample was received with no preservative and was preserved upon receipt at the laboratory. If for metals, the sample was allowed to sit for 18-24 hours before analysis.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

*	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.

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. 15A0260

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type	
Company: <u>LB&B</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 3dl</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>Shelton, CT 06484</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@LB&BCT.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.		Matrix Codes		Volatiles		Semi-Volatiles		Metals		Misc. Org	
S - soil		Other - specify (oil, etc)		8260 full		8270 or 625		8082 PCB		TPH GRO	
WW - wastewater		Site Spec		624		STARS list		8081 Pest		TPH DRO	
GW - groundwater		Nassau Co.		STARS list		BN Only		815 Herb		CT ETPH	
DW - drinking water		Suffolk Co.		BTX		Acids Only		CT RCP		NY 310-13	
Air-A - ambient air		MTBE		Ketones		PAH list		App. IX		TPH 1664	
Air-SV - soil vapor		TCL list		Oxygenates		TAGM list		Site Spec		Full App IX	
		TCL RCP list		TCL list		CT RCP list		TCLP list		Full App IX	
		Aroma. only		502.2		NIDEP list		TCLP Herb		Full App IX	
		Halog. only		NIDEP list		App. IX		Chloridane		Full App IX	
		App. IX list		SELP or TCLP		TCLP BNA		508 Pest		Full App IX	
		8021B list		SELP or TCLP		SELP or TCLP		608 PCB		Full App IX	
Samples Collected/Authorized By (Signature)		Date Sampled		Sample Matrix		Choose Analyses Needed from the Menu Above and Enter Below		Container Description(s)		Report Type	
<u>STEPHEN HART</u>		<u>11/15 1130</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010) 100s,</u>		<u>3 J 2 P</u>		<u>Summary Report X, pdf</u>	
<u>11/15 1135</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010) 100s,</u>		<u>8260 list (EPA SW 845-8260) plus from 113</u>		<u>3 J 2 P</u>		<u>Summary w/ QA summary X, pdf</u>	
<u>11/15 1140</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 6010 (SW 846-6010) 100s,</u>		<u>8260 list (EPA SW 845-8260) plus from 113 100s (SH 2540c)</u>		<u>3 J 3 P</u>		<u>CT RCP Package</u>	
										<u>CT RCP DQADUE Pkg</u>	
										<u>NY ASP A Package</u>	
										<u>NY ASP B Package (10 only)</u>	
										<u>NIDEP Red. Deliv.</u>	
										<u>Electronic Data Deliverables (EDD)</u>	
										<u>Simple Excel X</u>	
										<u>NYSEDEC EQUIS</u>	
										<u>EQUIS (std)</u>	
										<u>EZ-EDD (EQUIS)</u>	
										<u>NIDEP SRP HazSite EDD</u>	
										<u>GIS/KEY (std)</u>	
										<u>Other</u>	
										<u>York Regulatory Comparison</u>	
										<u>Excel Spreadsheet</u>	
										<u>Compare to the following Regs. (please fill in)</u>	
										<u>Temperature on Receipt</u>	
										<u>3.2°C</u>	

15A0266

YORK

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

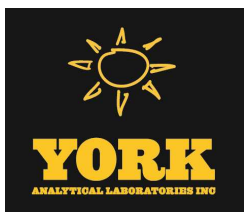
Field Chain-of-Custody Record

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.

YOUR INFORMATION Company: <u>LB6</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-989-8555</u> Contact Person: <u>Tunde Sandoz</u> E-Mail Address: <u>TSandoz@LB6T.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> <u>Purchase Order No.</u> <u>NAB5AG</u>		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard (5-7 Days) ☒		Report Type Summary Report: <u>X</u> , pdf Summary w/ QA Summary <u>X</u> , pdf CT RCP Package CT RCP DOA/DUE Pkg NY ASP A Package NY ASP B Package <u>NP2-1000ly</u> , pdf NIDEF Red. Deliv. Electronic Data Deliverables (EDD) Simple Excel ☒ NYSDEC EQuls EQuls (std) EZ-EDD (EQuls) NIDEF SRP HazSite EDD GIS/KEY (std) Other York Regulatory Comparison Excel Spreadsheet Compare to the following Regs. (please fill in):									
Matrix Codes S - soil Other - specify (oil, etc) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor										Choose Analyses Needed from the Menu Above and Enter Below <u>Fe by EPA 200.7 Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs,</u> <u>8260 List (EPA SW 846-8260) plus from 113</u> <u>Fe by EPA 200.7 Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs,</u> <u>8260 List (EPA SW 846-8260) plus from 113 / TDS (9H 2540C)</u>									
Sample Identification <u>NR010615-1130NP2-L</u> <u>NR010615-1135NP2-T</u> <u>NR010615-1140NP2-10</u>		Date Sampled <u>11/6/15</u> <u>11/25</u> <u>11/20</u>		Sample Matrix <u>GW</u> <u>GW</u> <u>GW</u>		Preservation Check those Applicable Special _____ Instructions Field Filtered ☐ Lab to Filter ☐		Comments		Temperature on Receipt <u>3.2°C</u>									

Doc: 15A 11/9/15 14:15

(system)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 02/04/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15A0839

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 02/04/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15A0839

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 January 28, 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>
15A0839-01	WQ012215:1330NP2-6	Water	01/22/2015	01/28/2015
15A0839-02	WQ012215:1335NP2-7	Water	01/22/2015	01/28/2015
15A0840-01	WQ012215:1340NP2-10	Water	01/22/2015	01/28/2015

General Notes for York Project (SDG) No.: 15A0839

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: 02/04/2015





Sample Information

Client Sample ID: WQ012215:1330NP2-6

York Sample ID: 15A0839-01

York Project (SDG) No.

15A0839

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

January 22, 2015 1:30 pm

Date Received

01/28/2015

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	02/03/2015 16:29	02/04/2015 02:01	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
67-64-1	Acetone	11	Cal-E, ICV-E	ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS



Sample Information

Client Sample ID: WQ012215:1330NP2-6

York Sample ID: 15A0839-01

York Project (SDG) No.
15A0839

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:30 pm

Date Received
01/28/2015

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
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
156-59-2	cis-1,2-Dichloroethylene	0.44	J	ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
127-18-4	Tetrachloroethylene	1.1		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
79-01-6	Trichloroethylene	0.36	J	ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/03/2015 16:29	02/04/2015 02:01	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130
460-00-4	Surrogate: p-Bromofluorobenzene	91.7 %	79-122
2037-26-5	Surrogate: Toluene-d8	103 %	81-117



Sample Information

Client Sample ID: WQ012215:1330NP2-6

York Sample ID: 15A0839-01

York Project (SDG) No.
15A0839

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:30 pm

Date Received
01/28/2015

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	5.47		mg/L	0.0146	0.0200	1	EPA 200.7	01/29/2015 13:55	01/29/2015 20:07	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	01/29/2015 13:51	01/29/2015 18:42	MW

Sample Information

Client Sample ID: WQ012215:1335NP2-7

York Sample ID: 15A0839-02

York Project (SDG) No.
15A0839

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:35 pm

Date Received
01/28/2015

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	02/03/2015 16:29	02/04/2015 01:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS



Sample Information

Client Sample ID: WQ012215:1335NP2-7

York Sample ID: 15A0839-02

York Project (SDG) No.
15A0839

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:35 pm

Date Received
01/28/2015

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
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
67-64-1	Acetone	10	Cal-E, ICV-E	ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS



Sample Information

Client Sample ID: WQ012215:1335NP2-7

York Sample ID: 15A0839-02

York Project (SDG) No.
15A0839

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:35 pm

Date Received
01/28/2015

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
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/03/2015 16:29	02/04/2015 01:29	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %		69-130							
460-00-4	Surrogate: p-Bromofluorobenzene	93.8 %		79-122							
2037-26-5	Surrogate: Toluene-d8	95.4 %		81-117							

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	6.78		mg/L	0.0146	0.0200	1	EPA 200.7	01/29/2015 13:55	01/29/2015 20:12	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	0.0284		mg/L	0.0200	0.0200	1	EPA 6010C	01/29/2015 13:51	01/29/2015 18:47	MW

Sample Information

Client Sample ID: WQ012215:1340NP2-10

York Sample ID: 15A0840-01

York Project (SDG) No.
15A0840

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:40 pm

Date Received
01/28/2015

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ012215:1340NP2-10

York Sample ID: 15A0840-01

York Project (SDG) No.
15A0840

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:40 pm

Date Received
01/28/2015

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	02/03/2015 16:29	02/04/2015 04:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
67-64-1	Acetone	5.0	Cal-E, ICV-E	ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS



Sample Information

Client Sample ID: WQ012215:1340NP2-10

York Sample ID: 15A0840-01

York Project (SDG) No.
15A0840

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:40 pm

Date Received
01/28/2015

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
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/03/2015 16:29	02/04/2015 04:43	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	95.4 %	79-122								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								



Sample Information

Client Sample ID: WQ012215:1340NP2-10

York Sample ID: 15A0840-01

York Project (SDG) No.
15A0840

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 1:40 pm

Date Received
01/28/2015

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	4.98		mg/L	0.0146	0.0200	1	EPA 200.7	01/29/2015 13:55	01/29/2015 20:30	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

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	0.0265		mg/L	0.0200	0.0200	1	EPA 6010C	01/29/2015 13:51	01/29/2015 18:52	MW

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	231		mg/L	10.0	10.0	1	SM 2540C	01/29/2015 11:05	01/29/2015 11:05	AA



Analytical Batch Summary

Batch ID: BA51246 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
15A0840-01	WQ012215:1340NP2-10	01/29/15
BA51246-BLK1	Blank	01/29/15
BA51246-DUP1	Duplicate	01/29/15

Batch ID: BA51267 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15A0839-01	WQ012215:1330NP2-6	01/29/15
15A0839-02	WQ012215:1335NP2-7	01/29/15
15A0840-01	WQ012215:1340NP2-10	01/29/15
BA51267-BLK1	Blank	01/29/15
BA51267-DUP1	Duplicate	01/29/15
BA51267-MS1	Matrix Spike	01/29/15
BA51267-SRM1	Reference	01/29/15

Batch ID: BA51268 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
15A0839-01	WQ012215:1330NP2-6	01/29/15
15A0839-02	WQ012215:1335NP2-7	01/29/15
15A0840-01	WQ012215:1340NP2-10	01/29/15
BA51268-BLK1	Blank	01/29/15
BA51268-DUP1	Duplicate	01/29/15
BA51268-MS1	Matrix Spike	01/29/15
BA51268-SRM1	Reference	01/29/15

Batch ID: BB50105 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
15A0839-01	WQ012215:1330NP2-6	02/03/15
15A0839-02	WQ012215:1335NP2-7	02/03/15
15A0840-01	WQ012215:1340NP2-10	02/03/15
BB50105-BLK1	Blank	02/03/15
BB50105-BS1	LCS	02/03/15
BB50105-BSD1	LCS Dup	02/03/15



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 BB50105 - EPA 5030B											
Blank (BB50105-BLK1)										Prepared & Analyzed: 02/03/2015	
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	0.80	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.45	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	1.6	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	0.20	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 BB50105 - EPA 5030B

Blank (BB50105-BLK1)

Prepared & Analyzed: 02/03/2015

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>11.1</i>		<i>"</i>	<i>10.0</i>		<i>111</i>	<i>69-130</i>
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.27</i>		<i>"</i>	<i>10.0</i>		<i>92.7</i>	<i>79-122</i>
<i>Surrogate: Toluene-d8</i>	<i>9.58</i>		<i>"</i>	<i>10.0</i>		<i>95.8</i>	<i>81-117</i>

LCS (BB50105-BS1)

Prepared & Analyzed: 02/03/2015

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126
1,1,1-Trichloroethane	8.73		"	10.0		87.3	78-136
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.16		"	10.0		81.6	54-165
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123
1,1-Dichloroethane	8.87		"	10.0		88.7	82-129
1,1-Dichloroethylene	8.78		"	10.0		87.8	68-138
1,1-Dichloropropylene	8.95		"	10.0		89.5	83-133
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128
1,2,4-Trichlorobenzene	11.3		"	10.0		113	76-137
1,2,4-Trimethylbenzene	9.66		"	10.0		96.6	82-132
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147
1,2-Dibromoethane	9.86		"	10.0		98.6	83-124
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123
1,2-Dichloroethane	8.69		"	10.0		86.9	73-132
1,2-Dichloropropane	9.71		"	10.0		97.1	78-126
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122
1,3-Dichloropropane	9.51		"	10.0		95.1	81-125
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124
2,2-Dichloropropane	8.25		"	10.0		82.5	56-150
2-Chlorotoluene	9.73		"	10.0		97.3	79-130
2-Hexanone	9.88		"	10.0		98.8	51-146
4-Chlorotoluene	10.3		"	10.0		103	79-128
Acetone	8.71		"	10.0		87.1	14-150
Benzene	8.91		"	10.0		89.1	85-126
Bromobenzene	9.75		"	10.0		97.5	78-129
Bromochloromethane	9.00		"	10.0		90.0	77-128
Bromodichloromethane	9.90		"	10.0		99.0	79-128
Bromoform	10.7		"	10.0		107	78-133
Bromomethane	6.82		"	10.0		68.2	43-168
Carbon tetrachloride	9.00		"	10.0		90.0	77-141
Chlorobenzene	10.2		"	10.0		102	88-120



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB50105 - EPA 5030B

LCS (BB50105-BS1)

Prepared & Analyzed: 02/03/2015

Chloroethane	8.21		ug/L	10.0		82.1	65-136				
Chloroform	8.96		"	10.0		89.6	82-128				
Chloromethane	7.82		"	10.0		78.2	43-155				
cis-1,2-Dichloroethylene	9.46		"	10.0		94.6	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	9.78		"	10.0		97.8	80-130				
Dibromomethane	9.72		"	10.0		97.2	72-134				
Dichlorodifluoromethane	8.16		"	10.0		81.6	44-144				
Ethyl Benzene	9.75		"	10.0		97.5	80-131				
Hexachlorobutadiene	10.7		"	10.0		107	67-146				
Isopropylbenzene	10.1		"	10.0		101	76-140				
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135				
Methylene chloride	9.21		"	10.0		92.1	55-137				
Naphthalene	10.4		"	10.0		104	70-147				
n-Butylbenzene	9.95		"	10.0		99.5	79-132				
n-Propylbenzene	9.86		"	10.0		98.6	78-133				
o-Xylene	9.92		"	10.0		99.2	78-130				
p- & m- Xylenes	20.1		"	20.0		101	77-133				
p-Isopropyltoluene	10.0		"	10.0		100	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	9.68		"	10.0		96.8	82-131				
Toluene	9.66		"	10.0		96.6	80-127				
trans-1,2-Dichloroethylene	9.18		"	10.0		91.8	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	9.37		"	10.0		93.7	82-128				
Trichlorofluoromethane	8.21		"	10.0		82.1	67-139				
Vinyl Chloride	8.13		"	10.0		81.3	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.57</i>		<i>"</i>	<i>10.0</i>		<i>95.7</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50105 - EPA 5030B											
LCS Dup (BB50105-BSD1)						Prepared & Analyzed: 02/03/2015					
1,1,1,2-Tetrachloroethane	9.82		ug/L	10.0		98.2	82-126		3.80	30	
1,1,1-Trichloroethane	8.93		"	10.0		89.3	78-136		2.27	30	
1,1,2,2-Tetrachloroethane	9.75		"	10.0		97.5	76-129		5.68	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.41		"	10.0		84.1	54-165		3.02	30	
1,1,2-Trichloroethane	9.66		"	10.0		96.6	82-123		5.93	30	
1,1-Dichloroethane	8.89		"	10.0		88.9	82-129		0.225	30	
1,1-Dichloroethylene	8.70		"	10.0		87.0	68-138		0.915	30	
1,1-Dichloropropylene	8.60		"	10.0		86.0	83-133		3.99	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	76-136		3.11	30	
1,2,3-Trichloropropane	9.33		"	10.0		93.3	77-128		3.89	30	
1,2,4-Trichlorobenzene	11.0		"	10.0		110	76-137		2.51	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		7.09	30	
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	45-147		9.12	30	
1,2-Dibromoethane	9.21		"	10.0		92.1	83-124		6.82	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		0.674	30	
1,2-Dichloroethane	8.51		"	10.0		85.1	73-132		2.09	30	
1,2-Dichloropropane	9.45		"	10.0		94.5	78-126		2.71	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		5.25	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		4.50	30	
1,3-Dichloropropane	9.24		"	10.0		92.4	81-125		2.88	30	
1,4-Dichlorobenzene	9.86		"	10.0		98.6	85-124		0.808	30	
2,2-Dichloropropane	8.16		"	10.0		81.6	56-150		1.10	30	
2-Chlorotoluene	9.99		"	10.0		99.9	79-130		2.64	30	
2-Hexanone	9.26		"	10.0		92.6	51-146		6.48	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		2.41	30	
Acetone	8.55		"	10.0		85.5	14-150		1.85	30	
Benzene	8.90		"	10.0		89.0	85-126		0.112	30	
Bromobenzene	10.2		"	10.0		102	78-129		4.41	30	
Bromochloromethane	8.69		"	10.0		86.9	77-128		3.50	30	
Bromodichloromethane	9.59		"	10.0		95.9	79-128		3.18	30	
Bromoform	10.2		"	10.0		102	78-133		4.58	30	
Bromomethane	7.36		"	10.0		73.6	43-168		7.62	30	
Carbon tetrachloride	8.68		"	10.0		86.8	77-141		3.62	30	
Chlorobenzene	10.1		"	10.0		101	88-120		0.890	30	
Chloroethane	9.02		"	10.0		90.2	65-136		9.40	30	
Chloroform	8.91		"	10.0		89.1	82-128		0.560	30	
Chloromethane	7.80		"	10.0		78.0	43-155		0.256	30	
cis-1,2-Dichloroethylene	9.17		"	10.0		91.7	83-129		3.11	30	
cis-1,3-Dichloropropylene	9.97		"	10.0		99.7	80-131		6.41	30	
Dibromochloromethane	9.84		"	10.0		98.4	80-130		0.612	30	
Dibromomethane	9.22		"	10.0		92.2	72-134		5.28	30	
Dichlorodifluoromethane	8.43		"	10.0		84.3	44-144		3.25	30	
Ethyl Benzene	9.72		"	10.0		97.2	80-131		0.308	30	
Hexachlorobutadiene	10.7		"	10.0		107	67-146		0.0932	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		4.07	30	
Methyl tert-butyl ether (MTBE)	8.65		"	10.0		86.5	76-135		6.38	30	
Methylene chloride	8.21		"	10.0		82.1	55-137		11.5	30	
Naphthalene	9.87		"	10.0		98.7	70-147		4.75	30	
n-Butylbenzene	10.0		"	10.0		100	79-132		0.900	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		3.19	30	
o-Xylene	9.74		"	10.0		97.4	78-130		1.83	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 BB50105 - EPA 5030B

LCS Dup (BB50105-BSD1)

Prepared & Analyzed: 02/03/2015

p- & m- Xylenes	19.1		ug/L	20.0		95.4	77-133		5.31	30
p-Isopropyltoluene	10.0		"	10.0		100	81-136		0.200	30
sec-Butylbenzene	11.0		"	10.0		110	79-137		5.42	30
Styrene	9.99		"	10.0		99.9	67-132		6.49	30
tert-Butylbenzene	10.5		"	10.0		105	77-138		1.92	30
Tetrachloroethylene	9.79		"	10.0		97.9	82-131		1.13	30
Toluene	9.48		"	10.0		94.8	80-127		1.88	30
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	80-132		0.765	30
trans-1,3-Dichloropropylene	9.86		"	10.0		98.6	78-131		4.56	30
Trichloroethylene	9.50		"	10.0		95.0	82-128		1.38	30
Trichlorofluoromethane	8.20		"	10.0		82.0	67-139		0.122	30
Vinyl Chloride	8.49		"	10.0		84.9	58-145		4.33	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.02</i>		<i>"</i>	<i>10.0</i>		<i>90.2</i>	<i>69-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>79-122</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>81-117</i>			



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BA51267 - EPA 3010A											
Blank (BA51267-BLK1)											
										Prepared & Analyzed: 01/29/2015	
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BA51267-DUP1)											
*Source sample: 15A0840-01 (WQ012215:1340NP2-10)										Prepared & Analyzed: 01/29/2015	
Iron - Dissolved	0.0279	0.0200	mg/L		0.0265				4.93	20	
Matrix Spike (BA51267-MS1)											
*Source sample: 15A0840-01 (WQ012215:1340NP2-10)										Prepared & Analyzed: 01/29/2015	
Iron - Dissolved	1.06	0.0200	mg/L	1.00	0.0265	104	75-125				
Reference (BA51267-SRM1)											
										Prepared & Analyzed: 01/29/2015	
Iron - Dissolved	1.37	0.0200	mg/L	1.32		103	84.8-115				
Batch BA51268 - EPA 3010A											
Blank (BA51268-BLK1)											
										Prepared & Analyzed: 01/29/2015	
Iron	ND	0.0200	mg/L								
Duplicate (BA51268-DUP1)											
*Source sample: 15A0840-01 (WQ012215:1340NP2-10)										Prepared & Analyzed: 01/29/2015	
Iron	4.92	0.0200	mg/L		4.98				1.14	20	
Matrix Spike (BA51268-MS1)											
*Source sample: 15A0840-01 (WQ012215:1340NP2-10)										Prepared & Analyzed: 01/29/2015	
Iron	5.93	0.0200	mg/L	1.00	4.98	95.3	75-125				
Reference (BA51268-SRM1)											
										Prepared & Analyzed: 01/29/2015	
Iron	1.42	0.0200	mg/L	1.32		108	84.8-115				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BA51246 - % Solids Prep

Blank (BA51246-BLK1)

Prepared & Analyzed: 01/29/2015

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BA51246-DUP1)

*Source sample: 15A0840-01 (WQ012215:1340NP2-10)

Prepared & Analyzed: 01/29/2015

Total Dissolved Solids 230 10.0 mg/L 231 0.434 15



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15A0839-01	WQ012215:1330NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0839-02	WQ012215:1335NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0840-01	WQ012215:1340NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for linear or quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

*	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.

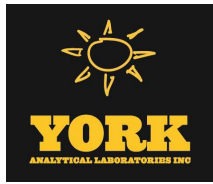
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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



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Page 1 of 1

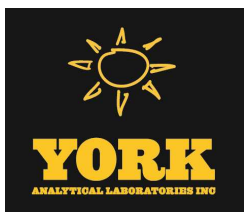
NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested. signature binds you to York's Std. Terms & Conditions.

York Project No. 15A0839

[illegible]

(system)

APPENDIX II
JANUARY 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: 02/04/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15A0838

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 02/04/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15A0838

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 January 28, 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>
15A0838-01	WQ012215:1020NP1-1-2	Water	01/27/2015	01/28/2015

General Notes for York Project (SDG) No.: 15A0838

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: 02/04/2015





Sample Information

Client Sample ID: WQ012215:1020NP1-1-2

York Sample ID: 15A0838-01

York Project (SDG) No.

15A0838

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

January 27, 2015 10:20 am

Date Received

01/28/2015

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	02/03/2015 16:29	02/04/2015 05:15	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS



Sample Information

Client Sample ID: WQ012215:1020NP1-1-2

York Sample ID: 15A0838-01

York Project (SDG) No.
15A0838

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 27, 2015 10:20 am

Date Received
01/28/2015

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	02/03/2015 16:29	02/04/2015 05:15	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
156-59-2	cis-1,2-Dichloroethylene	0.39	J	ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
127-18-4	Tetrachloroethylene	0.61		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
79-01-6	Trichloroethylene	0.37	J	ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	02/03/2015 16:29	02/04/2015 05:15	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	94.7 %	79-122								
2037-26-5	Surrogate: Toluene-d8	97.5 %	81-117								



Analytical Batch Summary

Batch ID: BB50105

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
15A0838-01	WQ012215:1020NP1-1-2	02/03/15
BB50105-BLK1	Blank	02/03/15
BB50105-BS1	LCS	02/03/15
BB50105-BSD1	LCS Dup	02/03/15



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 BB50105 - EPA 5030B

Blank (BB50105-BLK1)

Prepared & Analyzed: 02/03/2015

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	0.80	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	0.45	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	1.6	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	0.20	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 BB50105 - EPA 5030B

Blank (BB50105-BLK1)

Prepared & Analyzed: 02/03/2015

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

11.1

"

10.0

111

69-130

Surrogate: p-Bromofluorobenzene

9.27

"

10.0

92.7

79-122

Surrogate: Toluene-d8

9.58

"

10.0

95.8

81-117

LCS (BB50105-BS1)

Prepared & Analyzed: 02/03/2015

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126
1,1,1-Trichloroethane	8.73		"	10.0		87.3	78-136
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.16		"	10.0		81.6	54-165
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123
1,1-Dichloroethane	8.87		"	10.0		88.7	82-129
1,1-Dichloroethylene	8.78		"	10.0		87.8	68-138
1,1-Dichloropropylene	8.95		"	10.0		89.5	83-133
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128
1,2,4-Trichlorobenzene	11.3		"	10.0		113	76-137
1,2,4-Trimethylbenzene	9.66		"	10.0		96.6	82-132
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147
1,2-Dibromoethane	9.86		"	10.0		98.6	83-124
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123
1,2-Dichloroethane	8.69		"	10.0		86.9	73-132
1,2-Dichloropropane	9.71		"	10.0		97.1	78-126
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122
1,3-Dichloropropane	9.51		"	10.0		95.1	81-125
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124
2,2-Dichloropropane	8.25		"	10.0		82.5	56-150
2-Chlorotoluene	9.73		"	10.0		97.3	79-130
2-Hexanone	9.88		"	10.0		98.8	51-146
4-Chlorotoluene	10.3		"	10.0		103	79-128
Acetone	8.71		"	10.0		87.1	14-150
Benzene	8.91		"	10.0		89.1	85-126
Bromobenzene	9.75		"	10.0		97.5	78-129
Bromochloromethane	9.00		"	10.0		90.0	77-128
Bromodichloromethane	9.90		"	10.0		99.0	79-128
Bromoform	10.7		"	10.0		107	78-133
Bromomethane	6.82		"	10.0		68.2	43-168
Carbon tetrachloride	9.00		"	10.0		90.0	77-141
Chlorobenzene	10.2		"	10.0		102	88-120



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB50105 - EPA 5030B

LCS (BB50105-BS1)

Prepared & Analyzed: 02/03/2015

Chloroethane	8.21		ug/L	10.0		82.1	65-136				
Chloroform	8.96		"	10.0		89.6	82-128				
Chloromethane	7.82		"	10.0		78.2	43-155				
cis-1,2-Dichloroethylene	9.46		"	10.0		94.6	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	9.78		"	10.0		97.8	80-130				
Dibromomethane	9.72		"	10.0		97.2	72-134				
Dichlorodifluoromethane	8.16		"	10.0		81.6	44-144				
Ethyl Benzene	9.75		"	10.0		97.5	80-131				
Hexachlorobutadiene	10.7		"	10.0		107	67-146				
Isopropylbenzene	10.1		"	10.0		101	76-140				
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135				
Methylene chloride	9.21		"	10.0		92.1	55-137				
Naphthalene	10.4		"	10.0		104	70-147				
n-Butylbenzene	9.95		"	10.0		99.5	79-132				
n-Propylbenzene	9.86		"	10.0		98.6	78-133				
o-Xylene	9.92		"	10.0		99.2	78-130				
p- & m- Xylenes	20.1		"	20.0		101	77-133				
p-Isopropyltoluene	10.0		"	10.0		100	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	9.68		"	10.0		96.8	82-131				
Toluene	9.66		"	10.0		96.6	80-127				
trans-1,2-Dichloroethylene	9.18		"	10.0		91.8	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	9.37		"	10.0		93.7	82-128				
Trichlorofluoromethane	8.21		"	10.0		82.1	67-139				
Vinyl Chloride	8.13		"	10.0		81.3	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.57</i>		<i>"</i>	<i>10.0</i>		<i>95.7</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50105 - EPA 5030B											
LCS Dup (BB50105-BSD1)						Prepared & Analyzed: 02/03/2015					
1,1,1,2-Tetrachloroethane	9.82		ug/L	10.0		98.2	82-126		3.80	30	
1,1,1-Trichloroethane	8.93		"	10.0		89.3	78-136		2.27	30	
1,1,2,2-Tetrachloroethane	9.75		"	10.0		97.5	76-129		5.68	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.41		"	10.0		84.1	54-165		3.02	30	
1,1,2-Trichloroethane	9.66		"	10.0		96.6	82-123		5.93	30	
1,1-Dichloroethane	8.89		"	10.0		88.9	82-129		0.225	30	
1,1-Dichloroethylene	8.70		"	10.0		87.0	68-138		0.915	30	
1,1-Dichloropropylene	8.60		"	10.0		86.0	83-133		3.99	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	76-136		3.11	30	
1,2,3-Trichloropropane	9.33		"	10.0		93.3	77-128		3.89	30	
1,2,4-Trichlorobenzene	11.0		"	10.0		110	76-137		2.51	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		7.09	30	
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	45-147		9.12	30	
1,2-Dibromoethane	9.21		"	10.0		92.1	83-124		6.82	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		0.674	30	
1,2-Dichloroethane	8.51		"	10.0		85.1	73-132		2.09	30	
1,2-Dichloropropane	9.45		"	10.0		94.5	78-126		2.71	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		5.25	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		4.50	30	
1,3-Dichloropropane	9.24		"	10.0		92.4	81-125		2.88	30	
1,4-Dichlorobenzene	9.86		"	10.0		98.6	85-124		0.808	30	
2,2-Dichloropropane	8.16		"	10.0		81.6	56-150		1.10	30	
2-Chlorotoluene	9.99		"	10.0		99.9	79-130		2.64	30	
2-Hexanone	9.26		"	10.0		92.6	51-146		6.48	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		2.41	30	
Acetone	8.55		"	10.0		85.5	14-150		1.85	30	
Benzene	8.90		"	10.0		89.0	85-126		0.112	30	
Bromobenzene	10.2		"	10.0		102	78-129		4.41	30	
Bromochloromethane	8.69		"	10.0		86.9	77-128		3.50	30	
Bromodichloromethane	9.59		"	10.0		95.9	79-128		3.18	30	
Bromoform	10.2		"	10.0		102	78-133		4.58	30	
Bromomethane	7.36		"	10.0		73.6	43-168		7.62	30	
Carbon tetrachloride	8.68		"	10.0		86.8	77-141		3.62	30	
Chlorobenzene	10.1		"	10.0		101	88-120		0.890	30	
Chloroethane	9.02		"	10.0		90.2	65-136		9.40	30	
Chloroform	8.91		"	10.0		89.1	82-128		0.560	30	
Chloromethane	7.80		"	10.0		78.0	43-155		0.256	30	
cis-1,2-Dichloroethylene	9.17		"	10.0		91.7	83-129		3.11	30	
cis-1,3-Dichloropropylene	9.97		"	10.0		99.7	80-131		6.41	30	
Dibromochloromethane	9.84		"	10.0		98.4	80-130		0.612	30	
Dibromomethane	9.22		"	10.0		92.2	72-134		5.28	30	
Dichlorodifluoromethane	8.43		"	10.0		84.3	44-144		3.25	30	
Ethyl Benzene	9.72		"	10.0		97.2	80-131		0.308	30	
Hexachlorobutadiene	10.7		"	10.0		107	67-146		0.0932	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		4.07	30	
Methyl tert-butyl ether (MTBE)	8.65		"	10.0		86.5	76-135		6.38	30	
Methylene chloride	8.21		"	10.0		82.1	55-137		11.5	30	
Naphthalene	9.87		"	10.0		98.7	70-147		4.75	30	
n-Butylbenzene	10.0		"	10.0		100	79-132		0.900	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		3.19	30	
o-Xylene	9.74		"	10.0		97.4	78-130		1.83	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

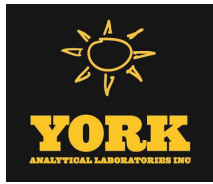
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB50105 - EPA 5030B

LCS Dup (BB50105-BSD1)

Prepared & Analyzed: 02/03/2015

p- & m- Xylenes	19.1		ug/L	20.0		95.4	77-133		5.31	30
p-Isopropyltoluene	10.0		"	10.0		100	81-136		0.200	30
sec-Butylbenzene	11.0		"	10.0		110	79-137		5.42	30
Styrene	9.99		"	10.0		99.9	67-132		6.49	30
tert-Butylbenzene	10.5		"	10.0		105	77-138		1.92	30
Tetrachloroethylene	9.79		"	10.0		97.9	82-131		1.13	30
Toluene	9.48		"	10.0		94.8	80-127		1.88	30
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	80-132		0.765	30
trans-1,3-Dichloropropylene	9.86		"	10.0		98.6	78-131		4.56	30
Trichloroethylene	9.50		"	10.0		95.0	82-128		1.38	30
Trichlorofluoromethane	8.20		"	10.0		82.0	67-139		0.122	30
Vinyl Chloride	8.49		"	10.0		84.9	58-145		4.33	30
Surrogate: 1,2-Dichloroethane-d4	9.02		"	10.0		90.2	69-130			
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	79-122			
Surrogate: Toluene-d8	9.74		"	10.0		97.4	81-117			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15A0838-01	WQ012215:1020NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for linear or quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

*	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.



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. 1540838

YOUR Information Company: <u>LB6</u> Address: <u>4 Research Dr. Suite 301</u> <u>Shelton, CT 06484</u> Phone No. <u>203-929-8555</u> Contact Person: <u>Tunde Sander</u> E-Mail Address: <u>T.Sander@LB6CT.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>HAB5A6</u> Samples from: CT <u>X</u> NY <u>X</u> 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> <u>pdf</u> Summary w/ QA Summary <u>X</u> <u>pdf</u> CT RCP Package ☐ CTRCP DQ/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package <u>X</u> <u>pdf</u> NIDEP Red. Deliv. ☐ Electronic Data Deliverables (EDD) ☐	
---	--	---	--	--	--	--	--	--	--	---	--

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

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

Samples Collected/Authorized By (Signature)
STEPHEN DWNT
 Name (printed)

Volatiles
 8260 full
 624
 STARS list
 BTX
 MTBE
 TOL list
 TAGM list
 CT RCP list
 Arom. only
 Halog. only
 App. IX list
 8021B list

Semi-Vols.
 8270 or 625
 STARS list
 BN Only
 Acids Only
 PAH list
 TAGM list
 CT RCP list
 TCLP list
 Arom. only
 Halog. only
 App. IX list
 608 PCB

Metals
 RCRA8
 PP13 list
 TAL
 CT15 list
 TAGM list
 NIDEP list
 Total
 Dissolved
 TCLP Herb
 Chloride
 608 BNA
 TCLP BNA
 SFLP or TCLP
 608 PCB

Misc. Org.
 TPH GRO
 TPH DRO
 CT ETPH
 NY 310-13
 TPH 1664
 Air TO15
 Air STARS
 Air VPH
 Air TICs
 Methane
 Helium

Full Lists
 Phi Poll
 TCL Oganics
 TAL MeCN
 Full TCLP
 Full App. IX
 Part 300 Radon
 Part 300 Radon
 Part 300 Radon
 NYCLP Toxic
 NYCLP Toxic
 TAGM
 Silica

Misc.
 Correctivity
 Reactivity
 Ignitability
 Flash Point
 Sieve Anal.
 Heterotrophs
 TOX
 BTU/lb
 Aquatic Tox
 NYCLP Toxic
 NYCLP Toxic
 Adhesives
 Silica

Choose Analyses Needed from the Menu Above and Enter Below

VOC 8260 full list (EPA SW846-8260) plus from 113

Sample Matrix

Date Sampled

Sample Identification

GW
 1/24/15 1020
 WQ012215 1020N1-1-2

Container Description(s)

3V

Comments

Preservation

Date Sampled

Sample Identification

Check those Applicable

Date Sampled

Sample Identification

Special Instructions

Date Sampled

Sample Identification

Field Filtered ☐

Date Sampled

Sample Identification

Lab to Filter ☐

Date Sampled

Sample Identification

Temperature on Receipt

3.4 °C

Samples Received By

Date/Time

Date/Time

Date/Time

Date/Time

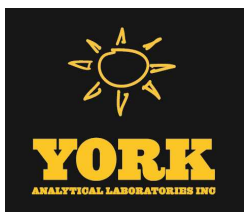
Date/Time

Date/Time

Date/Time

Date/Time

(Aw & Edw)



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 204

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 02/04/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15A0847

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 02/04/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15A0847

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 January 28, 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>
15A0847-01	WQ012215:1000FRW1	Water	01/22/2015	01/28/2015
15A0847-02	WQ012215:1005FRW2	Water	01/22/2015	01/28/2015
15A0847-03	WQ012215:1010FRW3	Water	01/22/2015	01/28/2015
15A0847-04	WQ012215:1015FRW4	Water	01/22/2015	01/28/2015

General Notes for York Project (SDG) No.: 15A0847

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: 02/04/2015





Sample Information

Client Sample ID: WQ012215:1000FRW1

York Sample ID: 15A0847-01

York Project (SDG) No.

15A0847

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

January 22, 2015 10:00 am

Date Received

01/28/2015

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	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
71-55-6	1,1,1-Trichloroethane	1.9	J	ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
95-49-8	2-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
106-43-4	4-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
67-64-1	Acetone	8.6	J, Cal-E, ICV-E	ug/L	5.0	10	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
108-86-1	Bromobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS



Sample Information

Client Sample ID: WQ012215:1000FRW1

York Sample ID: 15A0847-01

York Project (SDG) No.
15A0847

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 10:00 am

Date Received
01/28/2015

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
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
156-59-2	cis-1,2-Dichloroethylene	23		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
91-20-3	Naphthalene	ND		ug/L	5.0	10	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
127-18-4	Tetrachloroethylene	180		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
79-01-6	Trichloroethylene	6.6		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
1330-20-7	* Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 02:33	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	94.0 %	79-122								
2037-26-5	Surrogate: Toluene-d8	101 %	81-117								



Sample Information

Client Sample ID: WQ012215:1005FRW2

York Sample ID: 15A0847-02

York Project (SDG) No.
15A0847

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 10:05 am

Date Received
01/28/2015

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	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
67-64-1	Acetone	16	Cal-E, ICV-E	ug/L	2.0	4.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
108-86-1	Bromobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
74-83-9	Bromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS



Sample Information

Client Sample ID: WQ012215:1005FRW2

York Sample ID: 15A0847-02

York Project (SDG) No.
15A0847

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 10:05 am

Date Received
01/28/2015

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
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
156-59-2	cis-1,2-Dichloroethylene	6.4		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
91-20-3	Naphthalene	ND		ug/L	2.0	4.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
127-18-4	Tetrachloroethylene	36		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
79-01-6	Trichloroethylene	2.4		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
1330-20-7	* Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 03:06	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	90.5 %	79-122								
2037-26-5	Surrogate: Toluene-d8	97.5 %	81-117								



Sample Information

Client Sample ID: WQ012215:1010FRW3

York Sample ID: 15A0847-03

York Project (SDG) No.

15A0847

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

January 22, 2015 10:10 am

Date Received

01/28/2015

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	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
71-55-6	1,1,1-Trichloroethane	1.4	J	ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
95-49-8	2-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
106-43-4	4-Chlorotoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
67-64-1	Acetone	9.4	J, Cal-E, ICV-E	ug/L	5.0	10	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
108-86-1	Bromobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
74-97-5	Bromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS



Sample Information

Client Sample ID: WQ012215:1010FRW3

York Sample ID: 15A0847-03

York Project (SDG) No.
15A0847

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 10:10 am

Date Received
01/28/2015

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	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
156-59-2	cis-1,2-Dichloroethylene	77		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
91-20-3	Naphthalene	ND		ug/L	5.0	10	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
127-18-4	Tetrachloroethylene	84		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
79-01-6	Trichloroethylene	14		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
75-01-4	Vinyl Chloride	ND		ug/L	1.0	2.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
1330-20-7	* Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C	02/03/2015 16:29	02/04/2015 03:38	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								
2037-26-5	Surrogate: Toluene-d8	96.6 %	81-117								



Sample Information

Client Sample ID: WQ012215:1015FRW4

York Sample ID: 15A0847-04

York Project (SDG) No.

15A0847

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

January 22, 2015 10:15 am

Date Received

01/28/2015

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	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
71-55-6	1,1,1-Trichloroethane	0.90	J	ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
67-64-1	Acetone	2.9	Cal-E, ICV-E, J	ug/L	2.0	4.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
108-86-1	Bromobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
74-83-9	Bromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS



Sample Information

Client Sample ID: WQ012215:1015FRW4

York Sample ID: 15A0847-04

York Project (SDG) No.
15A0847

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
January 22, 2015 10:15 am

Date Received
01/28/2015

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	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
156-59-2	cis-1,2-Dichloroethylene	7.8		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
91-20-3	Naphthalene	ND		ug/L	2.0	4.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
127-18-4	Tetrachloroethylene	46		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
79-01-6	Trichloroethylene	3.6		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
1330-20-7	* Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C	02/03/2015 16:29	02/04/2015 04:10	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								
460-00-4	Surrogate: p-Bromofluorobenzene	96.6 %	79-122								
2037-26-5	Surrogate: Toluene-d8	99.0 %	81-117								



Analytical Batch Summary

Batch ID: BB50105

Preparation Method: EPA 5030B

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
15A0847-01	WQ012215:1000FRW1	02/03/15
15A0847-02	WQ012215:1005FRW2	02/03/15
15A0847-03	WQ012215:1010FRW3	02/03/15
15A0847-04	WQ012215:1015FRW4	02/03/15
BB50105-BLK1	Blank	02/03/15
BB50105-BS1	LCS	02/03/15
BB50105-BSD1	LCS Dup	02/03/15
BB50105-MS1	Matrix Spike	02/03/15
BB50105-MSD1	Matrix Spike Dup	02/03/15



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 BB50105 - EPA 5030B											
Blank (BB50105-BLK1)										Prepared & Analyzed: 02/03/2015	
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	0.80	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.45	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	1.6	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	0.20	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 BB50105 - EPA 5030B

Blank (BB50105-BLK1)

Prepared & Analyzed: 02/03/2015

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

11.1

"

10.0

111

69-130

Surrogate: p-Bromofluorobenzene

9.27

"

10.0

92.7

79-122

Surrogate: Toluene-d8

9.58

"

10.0

95.8

81-117

LCS (BB50105-BS1)

Prepared & Analyzed: 02/03/2015

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126
1,1,1-Trichloroethane	8.73		"	10.0		87.3	78-136
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.16		"	10.0		81.6	54-165
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123
1,1-Dichloroethane	8.87		"	10.0		88.7	82-129
1,1-Dichloroethylene	8.78		"	10.0		87.8	68-138
1,1-Dichloropropylene	8.95		"	10.0		89.5	83-133
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128
1,2,4-Trichlorobenzene	11.3		"	10.0		113	76-137
1,2,4-Trimethylbenzene	9.66		"	10.0		96.6	82-132
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147
1,2-Dibromoethane	9.86		"	10.0		98.6	83-124
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123
1,2-Dichloroethane	8.69		"	10.0		86.9	73-132
1,2-Dichloropropane	9.71		"	10.0		97.1	78-126
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122
1,3-Dichloropropane	9.51		"	10.0		95.1	81-125
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124
2,2-Dichloropropane	8.25		"	10.0		82.5	56-150
2-Chlorotoluene	9.73		"	10.0		97.3	79-130
2-Hexanone	9.88		"	10.0		98.8	51-146
4-Chlorotoluene	10.3		"	10.0		103	79-128
Acetone	8.71		"	10.0		87.1	14-150
Benzene	8.91		"	10.0		89.1	85-126
Bromobenzene	9.75		"	10.0		97.5	78-129
Bromochloromethane	9.00		"	10.0		90.0	77-128
Bromodichloromethane	9.90		"	10.0		99.0	79-128
Bromoform	10.7		"	10.0		107	78-133
Bromomethane	6.82		"	10.0		68.2	43-168
Carbon tetrachloride	9.00		"	10.0		90.0	77-141
Chlorobenzene	10.2		"	10.0		102	88-120



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BB50105 - EPA 5030B

LCS (BB50105-BS1)

Prepared & Analyzed: 02/03/2015

Chloroethane	8.21		ug/L	10.0		82.1	65-136				
Chloroform	8.96		"	10.0		89.6	82-128				
Chloromethane	7.82		"	10.0		78.2	43-155				
cis-1,2-Dichloroethylene	9.46		"	10.0		94.6	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	9.78		"	10.0		97.8	80-130				
Dibromomethane	9.72		"	10.0		97.2	72-134				
Dichlorodifluoromethane	8.16		"	10.0		81.6	44-144				
Ethyl Benzene	9.75		"	10.0		97.5	80-131				
Hexachlorobutadiene	10.7		"	10.0		107	67-146				
Isopropylbenzene	10.1		"	10.0		101	76-140				
Methyl tert-butyl ether (MTBE)	9.22		"	10.0		92.2	76-135				
Methylene chloride	9.21		"	10.0		92.1	55-137				
Naphthalene	10.4		"	10.0		104	70-147				
n-Butylbenzene	9.95		"	10.0		99.5	79-132				
n-Propylbenzene	9.86		"	10.0		98.6	78-133				
o-Xylene	9.92		"	10.0		99.2	78-130				
p- & m- Xylenes	20.1		"	20.0		101	77-133				
p-Isopropyltoluene	10.0		"	10.0		100	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butylbenzene	10.3		"	10.0		103	77-138				
Tetrachloroethylene	9.68		"	10.0		96.8	82-131				
Toluene	9.66		"	10.0		96.6	80-127				
trans-1,2-Dichloroethylene	9.18		"	10.0		91.8	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	9.37		"	10.0		93.7	82-128				
Trichlorofluoromethane	8.21		"	10.0		82.1	67-139				
Vinyl Chloride	8.13		"	10.0		81.3	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.57</i>		<i>"</i>	<i>10.0</i>		<i>95.7</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50105 - EPA 5030B											
LCS Dup (BB50105-BSD1)						Prepared & Analyzed: 02/03/2015					
1,1,1,2-Tetrachloroethane	9.82		ug/L	10.0		98.2	82-126		3.80	30	
1,1,1-Trichloroethane	8.93		"	10.0		89.3	78-136		2.27	30	
1,1,2,2-Tetrachloroethane	9.75		"	10.0		97.5	76-129		5.68	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.41		"	10.0		84.1	54-165		3.02	30	
1,1,2-Trichloroethane	9.66		"	10.0		96.6	82-123		5.93	30	
1,1-Dichloroethane	8.89		"	10.0		88.9	82-129		0.225	30	
1,1-Dichloroethylene	8.70		"	10.0		87.0	68-138		0.915	30	
1,1-Dichloropropylene	8.60		"	10.0		86.0	83-133		3.99	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	76-136		3.11	30	
1,2,3-Trichloropropane	9.33		"	10.0		93.3	77-128		3.89	30	
1,2,4-Trichlorobenzene	11.0		"	10.0		110	76-137		2.51	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		7.09	30	
1,2-Dibromo-3-chloropropane	10.0		"	10.0		100	45-147		9.12	30	
1,2-Dibromoethane	9.21		"	10.0		92.1	83-124		6.82	30	
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123		0.674	30	
1,2-Dichloroethane	8.51		"	10.0		85.1	73-132		2.09	30	
1,2-Dichloropropane	9.45		"	10.0		94.5	78-126		2.71	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		5.25	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		4.50	30	
1,3-Dichloropropane	9.24		"	10.0		92.4	81-125		2.88	30	
1,4-Dichlorobenzene	9.86		"	10.0		98.6	85-124		0.808	30	
2,2-Dichloropropane	8.16		"	10.0		81.6	56-150		1.10	30	
2-Chlorotoluene	9.99		"	10.0		99.9	79-130		2.64	30	
2-Hexanone	9.26		"	10.0		92.6	51-146		6.48	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		2.41	30	
Acetone	8.55		"	10.0		85.5	14-150		1.85	30	
Benzene	8.90		"	10.0		89.0	85-126		0.112	30	
Bromobenzene	10.2		"	10.0		102	78-129		4.41	30	
Bromochloromethane	8.69		"	10.0		86.9	77-128		3.50	30	
Bromodichloromethane	9.59		"	10.0		95.9	79-128		3.18	30	
Bromoform	10.2		"	10.0		102	78-133		4.58	30	
Bromomethane	7.36		"	10.0		73.6	43-168		7.62	30	
Carbon tetrachloride	8.68		"	10.0		86.8	77-141		3.62	30	
Chlorobenzene	10.1		"	10.0		101	88-120		0.890	30	
Chloroethane	9.02		"	10.0		90.2	65-136		9.40	30	
Chloroform	8.91		"	10.0		89.1	82-128		0.560	30	
Chloromethane	7.80		"	10.0		78.0	43-155		0.256	30	
cis-1,2-Dichloroethylene	9.17		"	10.0		91.7	83-129		3.11	30	
cis-1,3-Dichloropropylene	9.97		"	10.0		99.7	80-131		6.41	30	
Dibromochloromethane	9.84		"	10.0		98.4	80-130		0.612	30	
Dibromomethane	9.22		"	10.0		92.2	72-134		5.28	30	
Dichlorodifluoromethane	8.43		"	10.0		84.3	44-144		3.25	30	
Ethyl Benzene	9.72		"	10.0		97.2	80-131		0.308	30	
Hexachlorobutadiene	10.7		"	10.0		107	67-146		0.0932	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		4.07	30	
Methyl tert-butyl ether (MTBE)	8.65		"	10.0		86.5	76-135		6.38	30	
Methylene chloride	8.21		"	10.0		82.1	55-137		11.5	30	
Naphthalene	9.87		"	10.0		98.7	70-147		4.75	30	
n-Butylbenzene	10.0		"	10.0		100	79-132		0.900	30	
n-Propylbenzene	10.2		"	10.0		102	78-133		3.19	30	
o-Xylene	9.74		"	10.0		97.4	78-130		1.83	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 BB50105 - EPA 5030B

LCS Dup (BB50105-BSD1)

Prepared & Analyzed: 02/03/2015

p- & m- Xylenes	19.1		ug/L	20.0		95.4	77-133		5.31	30
p-Isopropyltoluene	10.0		"	10.0		100	81-136		0.200	30
sec-Butylbenzene	11.0		"	10.0		110	79-137		5.42	30
Styrene	9.99		"	10.0		99.9	67-132		6.49	30
tert-Butylbenzene	10.5		"	10.0		105	77-138		1.92	30
Tetrachloroethylene	9.79		"	10.0		97.9	82-131		1.13	30
Toluene	9.48		"	10.0		94.8	80-127		1.88	30
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	80-132		0.765	30
trans-1,3-Dichloropropylene	9.86		"	10.0		98.6	78-131		4.56	30
Trichloroethylene	9.50		"	10.0		95.0	82-128		1.38	30
Trichlorofluoromethane	8.20		"	10.0		82.0	67-139		0.122	30
Vinyl Chloride	8.49		"	10.0		84.9	58-145		4.33	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.02</i>		<i>"</i>	<i>10.0</i>		<i>90.2</i>	<i>69-130</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>79-122</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.74</i>		<i>"</i>	<i>10.0</i>		<i>97.4</i>	<i>81-117</i>			

Matrix Spike (BB50105-MS1)

*Source sample: 15A0847-01 (WQ012215:1000FRW1)

Prepared: 02/03/2015 Analyzed: 02/04/2015

1,1,1,2-Tetrachloroethane	9.92		ug/L	10.0	ND	99.2	45-161			
1,1,1-Trichloroethane	8.83		"	10.0	0.380	84.5	70-146			
1,1,2,2-Tetrachloroethane	9.98		"	10.0	ND	99.8	74-121			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.06		"	10.0	ND	80.6	21-217			
1,1,2-Trichloroethane	9.96		"	10.0	ND	99.6	59-146			
1,1-Dichloroethane	9.02		"	10.0	ND	90.2	54-146			
1,1-Dichloroethylene	8.97		"	10.0	ND	89.7	44-165			
1,1-Dichloropropylene	8.65		"	10.0	ND	86.5	82-134			
1,2,3-Trichlorobenzene	9.44		"	10.0	ND	94.4	40-161			
1,2,3-Trichloropropane	9.52		"	10.0	ND	95.2	74-127			
1,2,4-Trichlorobenzene	9.45		"	10.0	ND	94.5	41-161			
1,2,4-Trimethylbenzene	9.32		"	10.0	ND	93.2	72-129			
1,2-Dibromo-3-chloropropane	10.2		"	10.0	ND	102	31-151			
1,2-Dibromoethane	9.84		"	10.0	ND	98.4	75-125			
1,2-Dichlorobenzene	10.0		"	10.0	ND	100	63-122			
1,2-Dichloroethane	8.51		"	10.0	ND	85.1	68-131			
1,2-Dichloropropane	9.51		"	10.0	ND	95.1	77-121			
1,3,5-Trimethylbenzene	10.0		"	10.0	ND	100	69-126			
1,3-Dichlorobenzene	9.96		"	10.0	ND	99.6	74-119			
1,3-Dichloropropane	8.51		"	10.0	ND	85.1	77-119			
1,4-Dichlorobenzene	9.34		"	10.0	ND	93.4	70-124			
2,2-Dichloropropane	6.24		"	10.0	ND	62.4	10-160			
2-Chlorotoluene	9.68		"	10.0	ND	96.8	70-126			
2-Hexanone	9.69		"	10.0	ND	96.9	53-133			
4-Chlorotoluene	9.76		"	10.0	ND	97.6	69-124			
Acetone	8.12		"	10.0	1.71	64.1	13-149			
Benzene	8.37		"	10.0	ND	83.7	38-155			
Bromobenzene	9.62		"	10.0	ND	96.2	72-122			
Bromochloromethane	9.15		"	10.0	ND	91.5	75-121			
Bromodichloromethane	9.72		"	10.0	ND	97.2	70-129			
Bromoform	10.1		"	10.0	ND	101	66-136			
Bromomethane	7.14		"	10.0	ND	71.4	30-158			
Carbon tetrachloride	8.87		"	10.0	ND	88.7	71-146			
Chlorobenzene	10.3		"	10.0	ND	103	81-117			
Chloroethane	8.27		"	10.0	ND	82.7	51-145			



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 BB50105 - EPA 5030B

Matrix Spike (BB50105-MS1)	*Source sample: 15A0847-01 (WQ012215:1000FRW1)						Prepared: 02/03/2015 Analyzed: 02/04/2015				
Chloroform	8.84		ug/L	10.0	ND	88.4	80-124				
Chloromethane	7.49		"	10.0	ND	74.9	16-163				
cis-1,2-Dichloroethylene	13.0		"	10.0	4.63	84.0	76-125				
cis-1,3-Dichloropropylene	9.77		"	10.0	ND	97.7	58-131				
Dibromochloromethane	9.83		"	10.0	ND	98.3	71-129				
Dibromomethane	9.72		"	10.0	ND	97.2	76-120				
Dichlorodifluoromethane	7.39		"	10.0	ND	73.9	30-147				
Ethyl Benzene	9.79		"	10.0	ND	97.9	72-128				
Hexachlorobutadiene	9.45		"	10.0	ND	94.5	34-166				
Isopropylbenzene	9.70		"	10.0	ND	97.0	66-139				
Methyl tert-butyl ether (MTBE)	8.58		"	10.0	ND	85.8	75-128				
Methylene chloride	8.86		"	10.0	ND	88.6	57-128				
Naphthalene	9.41		"	10.0	ND	94.1	39-158				
n-Butylbenzene	9.47		"	10.0	ND	94.7	61-138				
n-Propylbenzene	10.2		"	10.0	ND	102	66-134				
o-Xylene	10.2		"	10.0	ND	102	69-126				
p- & m- Xylenes	19.2		"	20.0	ND	95.8	67-130				
p-Isopropyltoluene	9.50		"	10.0	ND	95.0	64-137				
sec-Butylbenzene	10.3		"	10.0	ND	103	53-155				
Styrene	10.5		"	10.0	ND	105	69-125				
tert-Butylbenzene	10.2		"	10.0	ND	102	65-139				
Tetrachloroethylene	40.0		"	10.0	36.1	39.0	64-139	Low Bias			
Toluene	9.48		"	10.0	ND	94.8	76-123				
trans-1,2-Dichloroethylene	8.82		"	10.0	ND	88.2	79-131				
trans-1,3-Dichloropropylene	9.47		"	10.0	ND	94.7	55-130				
Trichloroethylene	10.6		"	10.0	1.33	92.3	53-145				
Trichlorofluoromethane	8.29		"	10.0	ND	82.9	61-142				
Vinyl Chloride	8.12		"	10.0	ND	81.2	31-165				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.54</i>		<i>"</i>	<i>10.0</i>		<i>95.4</i>	<i>69-130</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.50</i>		<i>"</i>	<i>10.0</i>		<i>95.0</i>	<i>79-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.90</i>		<i>"</i>	<i>10.0</i>		<i>99.0</i>	<i>81-117</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50105 - EPA 5030B											
Matrix Spike Dup (BB50105-MSD1)	*Source sample: 15A0847-01 (WQ012215:1000FRW1)						Prepared: 02/03/2015 Analyzed: 02/04/2015				
1,1,1,2-Tetrachloroethane	9.52		ug/L	10.0	ND	95.2	45-161		4.12	30	
1,1,1-Trichloroethane	9.66		"	10.0	0.380	92.8	70-146		8.98	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0	ND	105	74-121		4.79	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.16		"	10.0	ND	81.6	21-217		1.23	30	
1,1,2-Trichloroethane	9.87		"	10.0	ND	98.7	59-146		0.908	30	
1,1-Dichloroethane	9.26		"	10.0	ND	92.6	54-146		2.63	30	
1,1-Dichloroethylene	9.00		"	10.0	ND	90.0	44-165		0.334	30	
1,1-Dichloropropylene	9.38		"	10.0	ND	93.8	82-134		8.10	30	
1,2,3-Trichlorobenzene	11.0		"	10.0	ND	110	40-161		15.2	30	
1,2,3-Trichloropropane	9.67		"	10.0	ND	96.7	74-127		1.56	30	
1,2,4-Trichlorobenzene	10.5		"	10.0	ND	105	41-161		10.9	30	
1,2,4-Trimethylbenzene	10.4		"	10.0	ND	104	72-129		10.5	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0	ND	104	31-151		2.14	30	
1,2-Dibromoethane	9.55		"	10.0	ND	95.5	75-125		2.99	30	
1,2-Dichlorobenzene	9.46		"	10.0	ND	94.6	63-122		5.65	30	
1,2-Dichloroethane	8.75		"	10.0	ND	87.5	68-131		2.78	30	
1,2-Dichloropropane	9.88		"	10.0	ND	98.8	77-121		3.82	30	
1,3,5-Trimethylbenzene	11.0		"	10.0	ND	110	69-126		8.87	30	
1,3-Dichlorobenzene	10.5		"	10.0	ND	105	74-119		4.99	30	
1,3-Dichloropropane	8.51		"	10.0	ND	85.1	77-119		0.00	30	
1,4-Dichlorobenzene	9.85		"	10.0	ND	98.5	70-124		5.32	30	
2,2-Dichloropropane	6.21		"	10.0	ND	62.1	10-160		0.482	30	
2-Chlorotoluene	10.2		"	10.0	ND	102	70-126		5.43	30	
2-Hexanone	8.43		"	10.0	ND	84.3	53-133		13.9	30	
4-Chlorotoluene	10.8		"	10.0	ND	108	69-124		10.5	30	
Acetone	8.50		"	10.0	1.71	67.9	13-149		4.57	30	
Benzene	8.81		"	10.0	ND	88.1	38-155		5.12	30	
Bromobenzene	9.79		"	10.0	ND	97.9	72-122		1.75	30	
Bromochloromethane	9.59		"	10.0	ND	95.9	75-121		4.70	30	
Bromodichloromethane	9.59		"	10.0	ND	95.9	70-129		1.35	30	
Bromoform	11.1		"	10.0	ND	111	66-136		9.62	30	
Bromomethane	6.87		"	10.0	ND	68.7	30-158		3.85	30	
Carbon tetrachloride	9.21		"	10.0	ND	92.1	71-146		3.76	30	
Chlorobenzene	9.60		"	10.0	ND	96.0	81-117		6.94	30	
Chloroethane	9.08		"	10.0	ND	90.8	51-145		9.34	30	
Chloroform	9.62		"	10.0	ND	96.2	80-124		8.45	30	
Chloromethane	7.93		"	10.0	ND	79.3	16-163		5.71	30	
cis-1,2-Dichloroethylene	13.7		"	10.0	4.63	90.9	76-125		5.16	30	
cis-1,3-Dichloropropylene	10.3		"	10.0	ND	103	58-131		4.99	30	
Dibromochloromethane	9.40		"	10.0	ND	94.0	71-129		4.47	30	
Dibromomethane	9.71		"	10.0	ND	97.1	76-120		0.103	30	
Dichlorodifluoromethane	7.95		"	10.0	ND	79.5	30-147		7.30	30	
Ethyl Benzene	9.40		"	10.0	ND	94.0	72-128		4.06	30	
Hexachlorobutadiene	10.4		"	10.0	ND	104	34-166		9.76	30	
Isopropylbenzene	10.4		"	10.0	ND	104	66-139		6.97	30	
Methyl tert-butyl ether (MTBE)	9.43		"	10.0	ND	94.3	75-128		9.44	30	
Methylene chloride	9.34		"	10.0	ND	93.4	57-128		5.27	30	
Naphthalene	9.49		"	10.0	ND	94.9	39-158		0.847	30	
n-Butylbenzene	9.69		"	10.0	ND	96.9	61-138		2.30	30	
n-Propylbenzene	10.2		"	10.0	ND	102	66-134		0.392	30	
o-Xylene	9.63		"	10.0	ND	96.3	69-126		5.94	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 BB50105 - EPA 5030B

Matrix Spike Dup (BB50105-MSD1)		*Source sample: 15A0847-01 (WQ012215:1000FRW1)					Prepared: 02/03/2015 Analyzed: 02/04/2015				
p- & m- Xylenes	19.6		ug/L	20.0	ND	98.1	67-130		2.42	30	
p-Isopropyltoluene	9.93		"	10.0	ND	99.3	64-137		4.43	30	
sec-Butylbenzene	11.4		"	10.0	ND	114	53-155		10.3	30	
Styrene	9.58		"	10.0	ND	95.8	69-125		9.35	30	
tert-Butylbenzene	10.5		"	10.0	ND	105	65-139		2.71	30	
Tetrachloroethylene	43.4		"	10.0	36.1	73.5	64-139		8.27	30	
Toluene	9.33		"	10.0	ND	93.3	76-123		1.59	30	
trans-1,2-Dichloroethylene	9.47		"	10.0	ND	94.7	79-131		7.11	30	
trans-1,3-Dichloropropylene	9.37		"	10.0	ND	93.7	55-130		1.06	30	
Trichloroethylene	10.6		"	10.0	1.33	92.2	53-145		0.0947	30	
Trichlorofluoromethane	8.64		"	10.0	ND	86.4	61-142		4.13	30	
Vinyl Chloride	8.62		"	10.0	ND	86.2	31-165		5.97	30	
Surrogate: 1,2-Dichloroethane-d4	9.67		"	10.0		96.7	69-130				
Surrogate: p-Bromofluorobenzene	9.90		"	10.0		99.0	79-122				
Surrogate: Toluene-d8	9.47		"	10.0		94.7	81-117				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
15A0847-01	WQ012215:1000FRW1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0847-02	WQ012215:1005FRW2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0847-03	WQ012215:1010FRW3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
15A0847-04	WQ012215:1015FRW4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Notes and Definitions

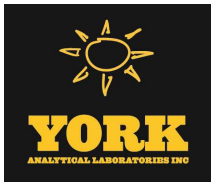
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for linear or quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
*	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.

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

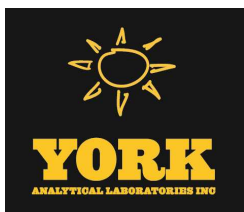
York Project No. 1540847

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Rec'd 1/28/85 1310

(RW & FRW)

APPENDIX III
JANUARY 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: 02/03/2015

Client Project ID: Rowe Industries

York Project (SDG) No.: 15A0841

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 02/03/2015
Client Project ID: Rowe Industries
York Project (SDG) No.: 15A0841

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 January 28, 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>
15A0841-01	AQ012215:1300NP4-1	Vapor Extraction	01/22/2015	01/28/2015
15A0841-02	AQ012215:1305NP4-2	Vapor Extraction	01/22/2015	01/28/2015
15A0841-03	AQ012215:1310NP4-3	Vapor Extraction	01/22/2015	01/28/2015

General Notes for York Project (SDG) No.: 15A0841

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: 02/03/2015





Sample Information

Client Sample ID: AQ012215:1300NP4-1

York Sample ID: 15A0841-01

York Project (SDG) No.

15A0841

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

January 22, 2015 1:00 pm

Date Received

01/28/2015

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
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.11	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.61	0.61	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
79-01-6	Trichloroethylene	4.5		ug/m ³	0.23	0.23	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.79	0.79	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
108-88-3	Toluene	1.1		ug/m ³	0.65	0.65	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
109-99-9	* Tetrahydrofuran	79		ug/m ³	0.51	0.51	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
127-18-4	Tetrachloroethylene	20		ug/m ³	0.29	0.29	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
100-42-5	Styrene	ND		ug/m ³	0.74	0.74	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
115-07-1	* Propylene	ND		ug/m ³	0.30	0.30	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
622-96-8	* p-Ethyltoluene	1.5		ug/m ³	0.85	0.85	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
179601-23-1	p- & m- Xylenes	2.6		ug/m ³	1.5	1.5	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
95-47-6	o-Xylene	0.75		ug/m ³	0.75	0.75	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
110-54-3	n-Hexane	2.8		ug/m ³	0.61	0.61	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-09-2	Methylene chloride	4.5		ug/m ³	1.2	1.2	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.63	0.63	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
67-63-0	Isopropanol	3.6		ug/m ³	0.85	0.85	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.9	1.9	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
100-41-4	Ethyl Benzene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.60	0.60	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.79	0.79	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
156-59-2	cis-1,2-Dichloroethylene	4.8		ug/m ³	0.69	0.69	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
74-87-3	Chloromethane	1.7		ug/m ³	0.36	0.36	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
67-66-3	Chloroform	2.8		ug/m ³	0.85	0.85	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.46	0.46	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.27	0.27	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.54	0.54	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.67	0.67	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.90	0.90	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
71-43-2	Benzene	0.78		ug/m ³	0.56	0.56	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
67-64-1	Acetone	37		ug/m ³	0.41	0.41	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD



Sample Information

Client Sample ID: AQ012215:1300NP4-1

York Sample ID: 15A0841-01

York Project (SDG) No.
15A0841

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
January 22, 2015 1:00 pm

Date Received
01/28/2015

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
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
78-93-3	2-Butanone	20		ug/m ³	0.51	0.51	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.63	0.63	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.75	0.75	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.85	0.85	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.70	0.70	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
95-63-6	1,2,4-Trimethylbenzene	1.2		ug/m ³	0.85	0.85	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.69	0.69	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.70	0.70	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	1.6		ug/m ³	0.98	0.98	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.95	0.95	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	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	02/01/2015 12:51	02/02/2015 21:06	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
71-55-6	1,1,1-Trichloroethane	1.5		ug/m ³	0.95	0.95	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
75-71-8	Dichlorodifluoromethane	2.1		ug/m ³	0.86	0.86	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.71	0.71	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.80	0.80	1.738	EPA TO-15	02/01/2015 12:51	02/02/2015 21:06	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	98.9 %	72-118								

Sample Information

Client Sample ID: AQ012215:1305NP4-2

York Sample ID: 15A0841-02

York Project (SDG) No.
15A0841

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
January 22, 2015 1:05 pm

Date Received
01/28/2015

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: AQ012215:1305NP4-2

York Sample ID: 15A0841-02

York Project (SDG) No.

15A0841

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

January 22, 2015 1:05 pm

Date Received

01/28/2015

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.12	0.12	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
108-05-4	Vinyl acetate	ND		ug/m ³	0.68	0.68	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.26	0.26	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.88	0.88	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.77	0.77	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
108-88-3	Toluene	2.0		ug/m ³	0.73	0.73	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.57	0.57	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
127-18-4	Tetrachloroethylene	14		ug/m ³	0.33	0.33	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
100-42-5	Styrene	ND		ug/m ³	0.83	0.83	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
115-07-1	* Propylene	ND		ug/m ³	0.33	0.33	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
622-96-8	* p-Ethyltoluene	4.1		ug/m ³	0.95	0.95	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
179601-23-1	p- & m- Xylenes	4.3		ug/m ³	1.7	1.7	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
95-47-6	o-Xylene	1.6		ug/m ³	0.84	0.84	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
110-54-3	n-Hexane	0.89		ug/m ³	0.68	0.68	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
142-82-5	n-Heptane	ND		ug/m ³	0.79	0.79	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-09-2	Methylene chloride	2.1		ug/m ³	1.3	1.3	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.70	0.70	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.79	0.79	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
67-63-0	Isopropanol	3.9		ug/m ³	0.95	0.95	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	2.1	2.1	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
100-41-4	Ethyl Benzene	1.0		ug/m ³	0.84	0.84	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.4	1.4	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
110-82-7	Cyclohexane	ND		ug/m ³	0.67	0.67	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.88	0.88	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
156-59-2	cis-1,2-Dichloroethylene	1.0		ug/m ³	0.77	0.77	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
74-87-3	Chloromethane	1.3		ug/m ³	0.40	0.40	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
67-66-3	Chloroform	ND		ug/m ³	0.95	0.95	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.51	0.51	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.30	0.30	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-15-0	Carbon disulfide	1.5		ug/m ³	0.60	0.60	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.75	0.75	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-25-2	Bromoform	ND		ug/m ³	2.0	2.0	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.2	1.2	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	1.0	1.0	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
71-43-2	Benzene	2.2		ug/m ³	0.62	0.62	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
67-64-1	Acetone	37		ug/m ³	0.46	0.46	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.6	1.6	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
78-93-3	2-Butanone	9.3		ug/m ³	0.57	0.57	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
123-91-1	1,4-Dioxane	ND		ug/m ³	0.70	0.70	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD



Sample Information

Client Sample ID: AQ012215:1305NP4-2

York Sample ID: 15A0841-02

York Project (SDG) No.
15A0841

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
January 22, 2015 1:05 pm

Date Received
01/28/2015

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
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.2	1.2	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.2	1.2	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.84	0.84	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.95	0.95	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.4	1.4	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.90	0.90	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.78	0.78	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.2	1.2	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
95-63-6	1,2,4-Trimethylbenzene	3.5		ug/m ³	0.95	0.95	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.4	1.4	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.77	0.77	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.78	0.78	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.1	1.1	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.1	1.1	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.5	1.5	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.3	1.3	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
71-55-6	1,1,1-Trichloroethane	1.1		ug/m ³	1.1	1.1	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
75-71-8	Dichlorodifluoromethane	1.2		ug/m ³	0.96	0.96	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.5	1.5	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.6	1.6	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.79	0.79	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.89	0.89	1.938	EPA TO-15	02/01/2015 12:51	02/02/2015 22:02	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	98.5 %	72-118								

Sample Information

Client Sample ID: AQ012215:1310NP4-3

York Sample ID: 15A0841-03

York Project (SDG) No.
15A0841

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
January 22, 2015 1:10 pm

Date Received
01/28/2015

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
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.11	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD



Sample Information

Client Sample ID: AQ012215:1310NP4-3

York Sample ID: 15A0841-03

York Project (SDG) No.
15A0841

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
January 22, 2015 1:10 pm

Date Received
01/28/2015

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
108-05-4	Vinyl acetate	ND		ug/m ³	0.60	0.60	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
79-01-6	Trichloroethylene	ND		ug/m ³	0.23	0.23	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.78	0.78	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.68	0.68	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
108-88-3	Toluene	5.7		ug/m ³	0.64	0.64	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.50	0.50	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
127-18-4	Tetrachloroethylene	4.6		ug/m ³	0.29	0.29	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
100-42-5	Styrene	ND		ug/m ³	0.73	0.73	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
115-07-1	* Propylene	ND		ug/m ³	0.29	0.29	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
622-96-8	* p-Ethyltoluene	5.0		ug/m ³	0.84	0.84	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
179601-23-1	p- & m- Xylenes	10		ug/m ³	1.5	1.5	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
95-47-6	o-Xylene	3.3		ug/m ³	0.74	0.74	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
110-54-3	n-Hexane	13		ug/m ³	0.60	0.60	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
142-82-5	n-Heptane	19		ug/m ³	0.70	0.70	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-09-2	Methylene chloride	1.4		ug/m ³	1.2	1.2	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.61	0.61	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.70	0.70	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
67-63-0	Isopropanol	ND		ug/m ³	0.84	0.84	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.8	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
100-41-4	Ethyl Benzene	3.0		ug/m ³	0.74	0.74	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.2	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
110-82-7	Cyclohexane	5.5		ug/m ³	0.59	0.59	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.78	0.78	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
156-59-2	cis-1,2-Dichloroethylene	0.68		ug/m ³	0.68	0.68	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
74-87-3	Chloromethane	1.3		ug/m ³	0.35	0.35	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
67-66-3	Chloroform	ND		ug/m ³	0.83	0.83	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-00-3	Chloroethane	ND		ug/m ³	0.45	0.45	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.27	0.27	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-15-0	Carbon disulfide	ND		ug/m ³	0.53	0.53	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
74-83-9	Bromomethane	ND		ug/m ³	0.66	0.66	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-25-2	Bromoform	ND		ug/m ³	1.8	1.8	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.1	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
100-44-7	Benzyl chloride	ND		ug/m ³	0.88	0.88	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
71-43-2	Benzene	ND		ug/m ³	0.55	0.55	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
67-64-1	Acetone	3.9		ug/m ³	0.41	0.41	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.4	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
78-93-3	2-Butanone	1.0		ug/m ³	0.50	0.50	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD



Sample Information

Client Sample ID: AQ012215:1310NP4-3

York Sample ID: 15A0841-03

York Project (SDG) No.
15A0841

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
January 22, 2015 1:10 pm

Date Received
01/28/2015

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
123-91-1	1,4-Dioxane	ND		ug/m ³	0.62	0.62	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
106-99-0	1,3-Butadiene	ND		ug/m ³	0.74	0.74	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
108-67-8	1,3,5-Trimethylbenzene	1.6		ug/m ³	0.84	0.84	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.2	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.79	0.79	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.69	0.69	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.0	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
95-63-6	1,2,4-Trimethylbenzene	4.4		ug/m ³	0.84	0.84	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.3	1.3	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.68	0.68	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.69	0.69	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.96	0.96	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.93	0.93	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.3	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.2	1.2	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
71-55-6	1,1,1-Trichloroethane	3.2		ug/m ³	0.93	0.93	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
75-71-8	Dichlorodifluoromethane	1.2		ug/m ³	0.84	0.84	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.3	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.4	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.70	0.70	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
108-90-7	Chlorobenzene	ND		ug/m ³	0.79	0.79	1.708	EPA TO-15	02/01/2015 12:51	02/02/2015 22:58	ALD
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	95.7 %	72-118								



Analytical Batch Summary

Batch ID: BB50011

Preparation Method: EPA TO15 PREP

Prepared By: ALD

YORK Sample ID	Client Sample ID	Preparation Date
15A0841-01	AQ012215:1300NP4-1	02/01/15
15A0841-02	AQ012215:1305NP4-2	02/01/15
15A0841-03	AQ012215:1310NP4-3	02/01/15
BB50011-BLK1	Blank	02/01/15
BB50011-BLK2	Blank	02/02/15
BB50011-BS1	LCS	02/01/15
BB50011-BS2	LCS	02/02/15



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 BB50011 - EPA TO15 PREP

Blank (BB50011-BLK1)

Prepared & Analyzed: 02/01/2015

Vinyl Chloride	ND	0.064	ug/m ³
Vinyl acetate	ND	0.35	"
Trichloroethylene	ND	0.13	"
trans-1,3-Dichloropropylene	ND	0.45	"
trans-1,2-Dichloroethylene	ND	0.40	"
Toluene	ND	0.38	"
Tetrahydrofuran	ND	0.29	"
Tetrachloroethylene	ND	0.17	"
Styrene	ND	0.43	"
Propylene	ND	0.17	"
p-Ethyltoluene	ND	0.49	"
p- & m- Xylenes	ND	0.87	"
o-Xylene	ND	0.43	"
n-Hexane	ND	0.35	"
n-Heptane	ND	0.41	"
Methylene chloride	ND	0.69	"
Methyl tert-butyl ether (MTBE)	ND	0.36	"
4-Methyl-2-pentanone	ND	0.41	"
Isopropanol	ND	0.49	"
Hexachlorobutadiene	ND	1.1	"
Ethyl Benzene	ND	0.43	"
Ethyl acetate	ND	0.72	"
Cyclohexane	ND	0.34	"
cis-1,3-Dichloropropylene	ND	0.45	"
cis-1,2-Dichloroethylene	ND	0.40	"
Chloromethane	ND	0.21	"
Chloroform	ND	0.49	"
Chloroethane	ND	0.26	"
Carbon tetrachloride	ND	0.16	"
Carbon disulfide	ND	0.31	"
Bromomethane	ND	0.39	"
Bromoform	ND	1.0	"
Bromodichloromethane	ND	0.62	"
Benzyl chloride	ND	0.52	"
Benzene	ND	0.32	"
Acetone	ND	0.24	"
2-Hexanone	ND	0.82	"
2-Butanone	ND	0.29	"
1,4-Dioxane	ND	0.36	"
1,4-Dichlorobenzene	ND	0.60	"
1,3-Dichlorobenzene	ND	0.60	"
1,3-Butadiene	ND	0.43	"
1,3,5-Trimethylbenzene	ND	0.49	"
1,2-Dichlorotetrafluoroethane	ND	0.70	"
1,2-Dichloropropane	ND	0.46	"
1,2-Dichloroethane	ND	0.40	"
1,2-Dichlorobenzene	ND	0.60	"
1,2,4-Trimethylbenzene	ND	0.49	"
1,2,4-Trichlorobenzene	ND	0.74	"
1,1-Dichloroethylene	ND	0.40	"
1,1-Dichloroethane	ND	0.40	"



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 BB50011 - EPA TO15 PREP

Blank (BB50011-BLK1)

Prepared & Analyzed: 02/01/2015

Trichlorofluoromethane (Freon 11)	ND	0.56	ug/m ³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
Dibromochloromethane	ND	0.80	"								
Methyl Methacrylate	ND	0.41	"								
Chlorobenzene	ND	0.46	"								
Surrogate: <i>p</i> -Bromofluorobenzene	8.76		ppbv	9.60		91.2	72-118				

Blank (BB50011-BLK2)

Prepared & Analyzed: 02/02/2015

Vinyl Chloride	ND	0.064	ug/m ³								
Vinyl acetate	ND	0.35	"								
Trichloroethylene	ND	0.13	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
Toluene	ND	0.38	"								
Tetrahydrofuran	ND	0.29	"								
Tetrachloroethylene	ND	0.17	"								
Styrene	ND	0.43	"								
Propylene	ND	0.17	"								
p-Ethyltoluene	ND	0.49	"								
p- & m- Xylenes	ND	0.87	"								
o-Xylene	ND	0.43	"								
n-Hexane	ND	0.35	"								
n-Heptane	ND	0.41	"								
Methylene chloride	ND	0.69	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
4-Methyl-2-pentanone	ND	0.41	"								
Isopropanol	ND	0.49	"								
Hexachlorobutadiene	ND	1.1	"								
Ethyl Benzene	ND	0.43	"								
Ethyl acetate	ND	0.72	"								
Cyclohexane	ND	0.34	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
Chloromethane	ND	0.21	"								
Chloroform	ND	0.49	"								
Chloroethane	ND	0.26	"								
Carbon tetrachloride	ND	0.16	"								
Carbon disulfide	ND	0.31	"								
Bromomethane	ND	0.39	"								
Bromoform	ND	1.0	"								
Bromodichloromethane	ND	0.62	"								
Benzyl chloride	ND	0.52	"								
Benzene	ND	0.32	"								
Acetone	ND	0.24	"								
2-Hexanone	ND	0.82	"								
2-Butanone	ND	0.29	"								
1,4-Dioxane	ND	0.36	"								



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 BB50011 - EPA TO15 PREP

Blank (BB50011-BLK2)

Prepared & Analyzed: 02/02/2015

1,4-Dichlorobenzene	ND	0.60	ug/m ³								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Butadiene	ND	0.43	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,1-Dichloroethylene	ND	0.40	"								
1,1-Dichloroethane	ND	0.40	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
Dibromochloromethane	ND	0.80	"								
Methyl Methacrylate	ND	0.41	"								
Chlorobenzene	ND	0.46	"								

<i>Surrogate: p-Bromofluorobenzene</i>	9.55		ppbv	9.60		99.5	72-118				
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LCS (BB50011-BS1)

Prepared & Analyzed: 02/01/2015

Vinyl Chloride	10.3		ppbv	9.70		106	70-130				
Vinyl acetate	4.04		"	10.8		37.4	70-130	Low Bias			
Trichloroethylene	8.18		"	9.90		82.6	70-130				
trans-1,3-Dichloropropylene	9.10		"	10.9		83.5	70-130				
trans-1,2-Dichloroethylene	8.76		"	9.70		90.3	70-130				
Toluene	9.84		"	10.4		94.6	70-130				
Tetrahydrofuran	7.91		"	9.20		86.0	70-130				
Tetrachloroethylene	8.51		"	10.0		85.1	70-130				
Styrene	10.0		"	10.3		97.6	70-130				
Propylene	8.98		"	10.4		86.3	70-130				
p-Ethyltoluene	10.2		"	10.1		101	70-130				
p- & m- Xylenes	19.1		"	20.2		94.5	70-130				
o-Xylene	9.90		"	10.5		94.3	70-130				
n-Hexane	9.16		"	10.0		91.6	70-130				
n-Heptane	8.50		"	10.3		82.5	70-130				
Methylene chloride	8.65		"	9.90		87.4	70-130				
Methyl tert-butyl ether (MTBE)	8.78		"	9.80		89.6	70-130				
4-Methyl-2-pentanone	7.53		"	9.20		81.8	70-130				
Isopropanol	7.88		"	9.20		85.7	70-130				
Hexachlorobutadiene	10.2		"	9.90		103	70-130				
Ethyl Benzene	9.88		"	10.3		95.9	70-130				
Ethyl acetate	11.1		"	8.50		131	70-130	High Bias			
Cyclohexane	9.25		"	10.1		91.6	70-130				
cis-1,3-Dichloropropylene	9.21		"	10.5		87.7	70-130				
cis-1,2-Dichloroethylene	9.94		"	10.3		96.5	70-130				
Chloromethane	10.6		"	9.70		109	70-130				
Chloroform	9.43		"	10.1		93.4	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 BB50011 - EPA TO15 PREP

LCS (BB50011-BS1)

Prepared & Analyzed: 02/01/2015

Chloroethane	9.93		ppbv	9.90		100	70-130				
Carbon tetrachloride	8.19		"	10.2		80.3	70-130				
Carbon disulfide	10.1		"	10.5		95.9	70-130				
Bromomethane	10.2		"	9.90		103	70-130				
Bromoform	10.0		"	10.1		99.0	70-130				
Bromodichloromethane	9.21		"	9.90		93.0	70-130				
Benzyl chloride	10.2		"	10.2		100	70-130				
Benzene	10.2		"	10.2		99.8	70-130				
Acetone	8.28		"	9.80		84.5	70-130				
2-Hexanone	7.02		"	9.30		75.5	70-130				
2-Butanone	8.55		"	9.40		91.0	70-130				
1,4-Dioxane	7.52		"	9.90		76.0	70-130				
1,4-Dichlorobenzene	10.2		"	10.2		100	70-130				
1,3-Dichlorobenzene	10.3		"	10.2		101	70-130				
1,3-Butadiene	11.8		"	10.1		117	70-130				
1,3,5-Trimethylbenzene	9.56		"	10.2		93.7	70-130				
1,2-Dichlorotetrafluoroethane	9.40		"	10.2		92.2	70-130				
1,2-Dichloropropane	9.54		"	10.3		92.6	70-130				
1,2-Dichloroethane	8.28		"	10.1		82.0	70-130				
1,2-Dichlorobenzene	10.4		"	10.1		103	70-130				
1,2,4-Trimethylbenzene	10.1		"	10.2		98.9	70-130				
1,2,4-Trichlorobenzene	12.6		"	9.60		131	70-130	High Bias			
1,1-Dichloroethylene	8.85		"	10.0		88.5	70-130				
1,1-Dichloroethane	9.53		"	10.0		95.3	70-130				
Trichlorofluoromethane (Freon 11)	9.69		"	10.5		92.3	70-130				
1,1,2-Trichloroethane	10.0		"	10.3		97.1	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.72		"	9.70		100	70-130				
1,1,2,2-Tetrachloroethane	10.5		"	10.5		100	70-130				
1,1,1-Trichloroethane	8.77		"	9.90		88.6	70-130				
Dichlorodifluoromethane	7.65		"	10.0		76.5	70-130				
1,2-Dibromoethane	9.61		"	10.3		93.3	70-130				
Dibromochloromethane	10.0		"	10.3		97.4	70-130				
Methyl Methacrylate	8.90		"	9.50		93.7	70-130				
Chlorobenzene	9.80		"	10.4		94.2	70-130				
Surrogate: <i>p</i> -Bromofluorobenzene	9.18		"	9.60		95.6	72-118				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB50011 - EPA TO15 PREP											
LCS (BB50011-BS2)						Prepared & Analyzed: 02/02/2015					
Vinyl Chloride	8.66		ppbv	9.70		89.3	70-130				
Vinyl acetate	4.06		"	10.8		37.6	70-130	Low Bias			
Trichloroethylene	8.11		"	9.90		81.9	70-130				
trans-1,3-Dichloropropylene	9.11		"	10.9		83.6	70-130				
trans-1,2-Dichloroethylene	9.01		"	9.70		92.9	70-130				
Toluene	9.47		"	10.4		91.1	70-130				
Tetrahydrofuran	7.93		"	9.20		86.2	70-130				
Tetrachloroethylene	8.51		"	10.0		85.1	70-130				
Styrene	10.1		"	10.3		97.9	70-130				
Propylene	8.38		"	10.4		80.6	70-130				
p-Ethyltoluene	10.3		"	10.1		102	70-130				
p- & m- Xylenes	19.4		"	20.2		96.0	70-130				
o-Xylene	10.0		"	10.5		95.6	70-130				
n-Hexane	9.20		"	10.0		92.0	70-130				
n-Heptane	8.82		"	10.3		85.6	70-130				
Methylene chloride	8.42		"	9.90		85.1	70-130				
Methyl tert-butyl ether (MTBE)	9.43		"	9.80		96.2	70-130				
4-Methyl-2-pentanone	7.35		"	9.20		79.9	70-130				
Isopropanol	8.10		"	9.20		88.0	70-130				
Hexachlorobutadiene	10.3		"	9.90		104	70-130				
Ethyl Benzene	9.81		"	10.3		95.2	70-130				
Ethyl acetate	11.3		"	8.50		133	70-130	High Bias			
Cyclohexane	9.38		"	10.1		92.9	70-130				
cis-1,3-Dichloropropylene	9.10		"	10.5		86.7	70-130				
cis-1,2-Dichloroethylene	10.1		"	10.3		98.2	70-130				
Chloromethane	9.27		"	9.70		95.6	70-130				
Chloroform	9.76		"	10.1		96.6	70-130				
Chloroethane	9.82		"	9.90		99.2	70-130				
Carbon tetrachloride	9.04		"	10.2		88.6	70-130				
Carbon disulfide	9.76		"	10.5		93.0	70-130				
Bromomethane	10.2		"	9.90		103	70-130				
Bromoform	10.2		"	10.1		101	70-130				
Bromodichloromethane	9.19		"	9.90		92.8	70-130				
Benzyl chloride	10.5		"	10.2		103	70-130				
Benzene	10.1		"	10.2		98.8	70-130				
Acetone	8.57		"	9.80		87.4	70-130				
2-Hexanone	6.56		"	9.30		70.5	70-130				
2-Butanone	8.55		"	9.40		91.0	70-130				
1,4-Dioxane	7.17		"	9.90		72.4	70-130				
1,4-Dichlorobenzene	10.3		"	10.2		101	70-130				
1,3-Dichlorobenzene	10.4		"	10.2		102	70-130				
1,3-Butadiene	10.0		"	10.1		99.4	70-130				
1,3,5-Trimethylbenzene	9.70		"	10.2		95.1	70-130				
1,2-Dichlorotetrafluoroethane	8.96		"	10.2		87.8	70-130				
1,2-Dichloropropane	8.95		"	10.3		86.9	70-130				
1,2-Dichloroethane	8.96		"	10.1		88.7	70-130				
1,2-Dichlorobenzene	10.3		"	10.1		102	70-130				
1,2,4-Trimethylbenzene	10.2		"	10.2		100	70-130				
1,2,4-Trichlorobenzene	12.6		"	9.60		132	70-130	High Bias			
1,1-Dichloroethylene	9.03		"	10.0		90.3	70-130				
1,1-Dichloroethane	9.58		"	10.0		95.8	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 BB50011 - EPA TO15 PREP

LCS (BB50011-BS2)

Prepared & Analyzed: 02/02/2015

Trichlorofluoromethane (Freon 11)	10.3		ppbv	10.5		98.5	70-130				
1,1,2-Trichloroethane	9.42		"	10.3		91.5	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.73		"	9.70		100	70-130				
1,1,2,2-Tetrachloroethane	10.1		"	10.5		96.2	70-130				
1,1,1-Trichloroethane	9.56		"	9.90		96.6	70-130				
Dichlorodifluoromethane	7.21		"	10.0		72.1	70-130				
1,2-Dibromoethane	9.34		"	10.3		90.7	70-130				
Dibromochloromethane	9.97		"	10.3		96.8	70-130				
Methyl Methacrylate	8.48		"	9.50		89.3	70-130				
Chlorobenzene	9.76		"	10.4		93.8	70-130				
Surrogate: <i>p</i> -Bromofluorobenzene	9.42		"	9.60		98.1	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.
