

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	---	---
3-Sep-13	7.2	27	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	37.90	ND<0.02
12-Sep-13	7.3	108	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	43.90	0.027
24-Sep-13	7.1	168	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	13.70	0.080

SPDES: State Pollutant Discharge Elimination System

NM: Not Measured

TCE: Trichloroethene

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

mg/l: Milligrams per liter

TDS: Total dissolved solids

1,1-DCA: 1,1-Dichloroethane

ug/l: Micrograms per liter

PCE: Tetrachloroethylene

1,1-DCE: 1,1-Dichloroethene

----: Not established

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

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

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.

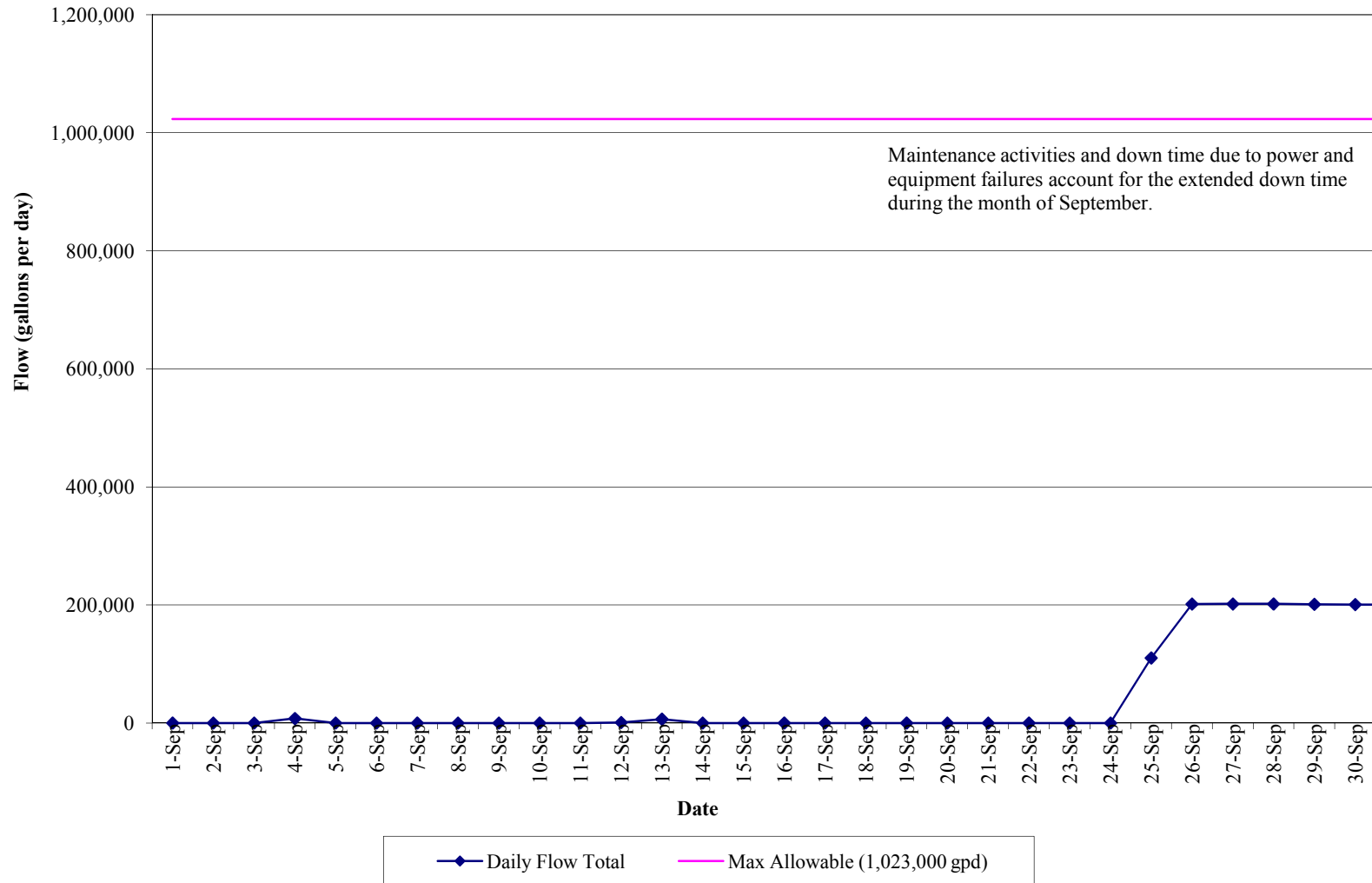
ND: Not detected

Notes:

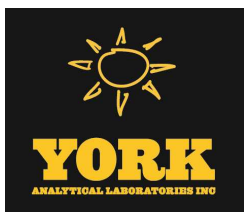
- Based on the SPDES criteria from an NYSDEC letter dated on October 21, 2011, the new allowable pH range for the Rowe Site is between 5.0 and 8.5.
- "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

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

Effluent Flow Data
(September 1, 2013 to September 30, 2013)



APPENDIX I
SEPTEMBER 2013 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 09/12/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13I0195

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/12/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13I0195

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
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 September 05, 2013 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>
13I0195-01	WQ090313:1330NP2-6	Water	09/03/2013	09/05/2013
13I0195-02	WQ090313:1335NP2-7	Water	09/03/2013	09/05/2013
13I0196-01	WQ090313:1340NP2-10	Water	09/03/2013	09/05/2013

General Notes for York Project (SDG) No.: 13I0195

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: 09/12/2013

YORK



Sample Information

Client Sample ID: WQ090313:1330NP2-6

York Sample ID: 1310195-01

York Project (SDG) No.

1310195

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 3, 2013 1:30 pm

Date Received

09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
67-64-1	Acetone	1.0	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK



Sample Information

Client Sample ID: WQ090313:1330NP2-6

York Sample ID: 1310195-01

York Project (SDG) No.
1310195

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 3, 2013 1:30 pm

Date Received
09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
156-59-2	cis-1,2-Dichloroethylene	0.34	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
127-18-4	Tetrachloroethylene	1.4		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
79-01-6	Trichloroethylene	0.26	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:47	BK



Sample Information

Client Sample ID: WQ090313:1330NP2-6

York Sample ID: 1310195-01

York Project (SDG) No.
1310195

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 3, 2013 1:30 pm

Date Received
09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.5 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	116 %			65-133						
2037-26-5	Surrogate: Toluene-d8	103 %			80-123						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	23.7		mg/L	0.0146	0.0200	1	EPA 200.7	09/06/2013 15:26	09/06/2013 20:33	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	09/06/2013 15:19	09/06/2013 18:07	MW

Sample Information

Client Sample ID: WQ090313:1335NP2-7

York Sample ID: 1310195-02

York Project (SDG) No.
1310195

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 3, 2013 1:35 pm

Date Received
09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK



Sample Information

Client Sample ID: WQ090313:1335NP2-7

York Sample ID: 1310195-02

York Project (SDG) No.
1310195

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 3, 2013 1:35 pm

Date Received
09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
67-64-1	Acetone	1.5	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK



Sample Information

Client Sample ID: WQ090313:1335NP2-7

York Sample ID: 1310195-02

York Project (SDG) No.
1310195

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 3, 2013 1:35 pm

Date Received
09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 15:23	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	117 %	65-133								
2037-26-5	Surrogate: Toluene-d8	104 %	80-123								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	52.9		mg/L	0.0146	0.0200	1	EPA 200.7	09/06/2013 15:26	09/06/2013 20:38	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	09/06/2013 15:19	09/06/2013 18:12	MW



Sample Information

Client Sample ID: WQ090313:1340NP2-10

York Sample ID: 1310196-01

York Project (SDG) No.

1310196

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 3, 2013 1:40 pm

Date Received

09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
67-64-1	Acetone	1.3	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK



Sample Information

Client Sample ID: WQ090313:1340NP2-10

York Sample ID: 1310196-01

York Project (SDG) No.
1310196

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 3, 2013 1:40 pm

Date Received
09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/06/2013 11:43	09/07/2013 14:10	BK



Sample Information

Client Sample ID: WQ090313:1340NP2-10

York Sample ID: 13I0196-01

York Project (SDG) No.
13I0196

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 3, 2013 1:40 pm

Date Received
09/05/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.4 %									
460-00-4	Surrogate: p-Bromofluorobenzene	120 %									
2037-26-5	Surrogate: Toluene-d8	101 %									

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	37.9		mg/L	0.0146	0.0200	1	EPA 200.7	09/06/2013 15:26	09/06/2013 20:43	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	09/06/2013 15:19	09/06/2013 18:17	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	27.0		mg/L	1.00	1.00	1	SM 2540C	09/10/2013 08:35	09/10/2013 13:10	BGS



Analytical Batch Summary

Batch ID: BI30270

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0195-01	WQ090313:1330NP2-6	09/06/13
13I0195-02	WQ090313:1335NP2-7	09/06/13
13I0196-01	WQ090313:1340NP2-10	09/06/13
BI30270-BLK1	Blank	09/06/13
BI30270-DUP1	Duplicate	09/06/13
BI30270-MS1	Matrix Spike	09/06/13
BI30270-SRM1	Reference	09/06/13

Batch ID: BI30271

Preparation Method: EPA 3010A

Prepared By: MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0195-01	WQ090313:1330NP2-6	09/06/13
13I0195-02	WQ090313:1335NP2-7	09/06/13
13I0196-01	WQ090313:1340NP2-10	09/06/13
BI30271-BLK1	Blank	09/06/13
BI30271-DUP1	Duplicate	09/06/13
BI30271-MS1	Matrix Spike	09/06/13
BI30271-SRM1	Reference	09/06/13

Batch ID: BI30291

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0195-01	WQ090313:1330NP2-6	09/06/13
13I0195-02	WQ090313:1335NP2-7	09/06/13
13I0196-01	WQ090313:1340NP2-10	09/06/13
BI30291-BLK1	Blank	09/07/13
BI30291-BS1	LCS	09/07/13
BI30291-BSD1	LCS Dup	09/07/13

Batch ID: BI30380

Preparation Method: % Solids Prep

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0196-01	WQ090313:1340NP2-10	09/10/13
BI30380-BLK1	Blank	09/10/13



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 BI30291 - EPA 5030B

Blank (BI30291-BLK1)

Prepared & Analyzed: 09/07/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.2	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30291 - EPA 5030B

Blank (BI30291-BLK1)

Prepared & Analyzed: 09/07/2013

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

Surrogate: 1,2-Dichloroethane-d4	9.78	"	10.0	97.8	79-133
Surrogate: p-Bromofluorobenzene	11.3	"	10.0	113	65-133
Surrogate: Toluene-d8	10.1	"	10.0	101	80-123

LCS (BI30291-BS1)

Prepared & Analyzed: 09/07/2013

1,1,1,2-Tetrachloroethane	10.1	ug/L	10.0	101	84-127
1,1,1-Trichloroethane	9.42	"	10.0	94.2	80-131
1,1,2,2-Tetrachloroethane	10.1	"	10.0	101	76-120
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.82	"	10.0	98.2	70-133
1,1,2-Trichloroethane	9.91	"	10.0	99.1	73-124
1,1-Dichloroethane	9.10	"	10.0	91.0	79-123
1,1-Dichloroethylene	8.85	"	10.0	88.5	71-123
1,1-Dichloropropylene	9.27	"	10.0	92.7	73-117
1,2,3-Trichlorobenzene	10.0	"	10.0	100	78-117
1,2,3-Trichloropropane	9.76	"	10.0	97.6	68-119
1,2,4-Trichlorobenzene	10.2	"	10.0	102	78-117
1,2,4-Trimethylbenzene	9.87	"	10.0	98.7	68-134
1,2-Dibromo-3-chloropropane	11.1	"	10.0	111	73-129
1,2-Dibromoethane	9.96	"	10.0	99.6	73-139
1,2-Dichlorobenzene	10.2	"	10.0	102	83-110
1,2-Dichloroethane	9.20	"	10.0	92.0	81-120
1,2-Dichloropropane	9.67	"	10.0	96.7	76-120
1,3,5-Trimethylbenzene	9.12	"	10.0	91.2	74-121
1,3-Dichlorobenzene	9.81	"	10.0	98.1	82-112
1,3-Dichloropropane	9.83	"	10.0	98.3	77-122
1,4-Dichlorobenzene	9.71	"	10.0	97.1	83-110
2,2-Dichloropropane	9.68	"	10.0	96.8	50-163
2-Chlorotoluene	9.37	"	10.0	93.7	74-115
2-Hexanone	10.9	"	10.0	109	65-130
4-Chlorotoluene	9.46	"	10.0	94.6	77-119
Acetone	9.98	"	10.0	99.8	54-129
Benzene	9.50	"	10.0	95.0	77-122
Bromobenzene	9.95	"	10.0	99.5	76-114
Bromochloromethane	9.23	"	10.0	92.3	73-125
Bromodichloromethane	9.79	"	10.0	97.9	83-120
Bromoform	10.5	"	10.0	105	72-139
Bromomethane	7.61	"	10.0	76.1	52-128
Carbon tetrachloride	9.56	"	10.0	95.6	66-152
Chlorobenzene	9.81	"	10.0	98.1	85-113



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 BI30291 - EPA 5030B

LCS (BI30291-BS1)

Prepared & Analyzed: 09/07/2013

Chloroethane	8.74		ug/L	10.0		87.4	60-124				
Chloroform	9.43		"	10.0		94.3	82-119				
Chloromethane	8.94		"	10.0		89.4	42-126				
cis-1,2-Dichloroethylene	9.44		"	10.0		94.4	79-116				
cis-1,3-Dichloropropylene	10.8		"	10.0		108	85-134				
Dibromochloromethane	10.4		"	10.0		104	74-151				
Dibromomethane	9.70		"	10.0		97.0	74-128				
Dichlorodifluoromethane	8.61		"	10.0		86.1	10-146				
Ethyl Benzene	10.3		"	10.0		103	85-125				
Hexachlorobutadiene	11.0		"	10.0		110	69-131				
Isopropylbenzene	9.86		"	10.0		98.6	71-128				
Methyl tert-butyl ether (MTBE)	9.69		"	10.0		96.9	51-134				
Methylene chloride	8.35		"	10.0		83.5	76-122				
Naphthalene	10.7		"	10.0		107	72-127				
n-Butylbenzene	10.1		"	10.0		101	69-127				
n-Propylbenzene	9.67		"	10.0		96.7	70-129				
o-Xylene	10.0		"	10.0		100	83-117				
p- & m- Xylenes	20.9		"	20.0		104	80-126				
p-Isopropyltoluene	10.2		"	10.0		102	74-130				
sec-Butylbenzene	10.1		"	10.0		101	72-132				
Styrene	10.3		"	10.0		103	62-160				
tert-Butylbenzene	11.1		"	10.0		111	75-129				
Tetrachloroethylene	9.74		"	10.0		97.4	67-118				
Toluene	9.79		"	10.0		97.9	82-118				
trans-1,2-Dichloroethylene	9.11		"	10.0		91.1	76-119				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	80-137				
Trichloroethylene	9.77		"	10.0		97.7	71-122				
Trichlorofluoromethane	9.13		"	10.0		91.3	67-130				
Vinyl Chloride	9.04		"	10.0		90.4	49-125				
Surrogate: 1,2-Dichloroethane-d4	9.65		"	10.0		96.5	79-133				
Surrogate: p-Bromofluorobenzene	9.67		"	10.0		96.7	65-133				
Surrogate: Toluene-d8	9.93		"	10.0		99.3	80-123				



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 BI30291 - EPA 5030B											
LCS Dup (BI30291-BS01)						Prepared & Analyzed: 09/07/2013					
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	84-127		0.198	30	
1,1,1-Trichloroethane	9.47		"	10.0		94.7	80-131		0.529	30	
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-120		5.66	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	70-133		3.11	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	73-124		2.59	30	
1,1-Dichloroethane	9.20		"	10.0		92.0	79-123		1.09	30	
1,1-Dichloroethylene	8.50		"	10.0		85.0	71-123		4.03	30	
1,1-Dichloropropylene	9.03		"	10.0		90.3	73-117		2.62	30	
1,2,3-Trichlorobenzene	10.4		"	10.0		104	78-117		4.20	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	68-119		8.16	30	
1,2,4-Trichlorobenzene	10.3		"	10.0		103	78-117		0.783	30	
1,2,4-Trimethylbenzene	6.07		"	10.0		60.7	68-134	Low Bias	47.7	30	Non-dir.
1,2-Dibromo-3-chloropropane	11.2		"	10.0		112	73-129		0.895	30	
1,2-Dibromoethane	10.6		"	10.0		106	73-139		5.85	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	83-110		0.196	30	
1,2-Dichloroethane	9.65		"	10.0		96.5	81-120		4.77	30	
1,2-Dichloropropane	9.79		"	10.0		97.9	76-120		1.23	30	
1,3,5-Trimethylbenzene	7.99		"	10.0		79.9	74-121		13.2	30	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	82-112		0.409	30	
1,3-Dichloropropane	10.1		"	10.0		101	77-122		2.31	30	
1,4-Dichlorobenzene	9.77		"	10.0		97.7	83-110		0.616	30	
2,2-Dichloropropane	9.51		"	10.0		95.1	50-163		1.77	30	
2-Chlorotoluene	9.15		"	10.0		91.5	74-115		2.38	30	
2-Hexanone	11.8		"	10.0		118	65-130		8.45	30	
4-Chlorotoluene	9.20		"	10.0		92.0	77-119		2.79	30	
Acetone	11.1		"	10.0		111	54-129		11.0	30	
Benzene	9.65		"	10.0		96.5	77-122		1.57	30	
Bromobenzene	10.2		"	10.0		102	76-114		2.09	30	
Bromochloromethane	9.05		"	10.0		90.5	73-125		1.97	30	
Bromodichloromethane	9.98		"	10.0		99.8	83-120		1.92	30	
Bromoform	11.0		"	10.0		110	72-139		4.37	30	
Bromomethane	7.59		"	10.0		75.9	52-128		0.263	30	
Carbon tetrachloride	9.52		"	10.0		95.2	66-152		0.419	30	
Chlorobenzene	9.89		"	10.0		98.9	85-113		0.812	30	
Chloroethane	8.68		"	10.0		86.8	60-124		0.689	30	
Chloroform	9.56		"	10.0		95.6	82-119		1.37	30	
Chloromethane	9.24		"	10.0		92.4	42-126		3.30	30	
cis-1,2-Dichloroethylene	9.75		"	10.0		97.5	79-116		3.23	30	
cis-1,3-Dichloropropylene	10.8		"	10.0		108	85-134		0.278	30	
Dibromochloromethane	10.6		"	10.0		106	74-151		2.48	30	
Dibromomethane	10.2		"	10.0		102	74-128		5.42	30	
Dichlorodifluoromethane	8.96		"	10.0		89.6	10-146		3.98	30	
Ethyl Benzene	10.0		"	10.0		100	85-125		2.46	30	
Hexachlorobutadiene	10.7		"	10.0		107	69-131		2.49	30	
Isopropylbenzene	9.47		"	10.0		94.7	71-128		4.04	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	51-134		4.64	30	
Methylene chloride	8.41		"	10.0		84.1	76-122		0.716	30	
Naphthalene	9.89		"	10.0		98.9	72-127		8.24	30	
n-Butylbenzene	9.58		"	10.0		95.8	69-127		5.48	30	
n-Propylbenzene	9.37		"	10.0		93.7	70-129		3.15	30	
o-Xylene	9.43		"	10.0		94.3	83-117		6.37	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 BI30291 - EPA 5030B

LCS Dup (BI30291-BSD1)

Prepared & Analyzed: 09/07/2013

p- & m- Xylenes	19.0		ug/L	20.0		95.0	80-126		9.53	30	
p-Isopropyltoluene	9.15		"	10.0		91.5	74-130		11.0	30	
sec-Butylbenzene	9.82		"	10.0		98.2	72-132		2.61	30	
Styrene	4.92		"	10.0		49.2	62-160	Low Bias	70.9	30	Non-dir.
tert-Butylbenzene	10.4		"	10.0		104	75-129		6.88	30	
Tetrachloroethylene	9.53		"	10.0		95.3	67-118		2.18	30	
Toluene	9.64		"	10.0		96.4	82-118		1.54	30	
trans-1,2-Dichloroethylene	8.96		"	10.0		89.6	76-119		1.66	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	80-137		0.472	30	
Trichloroethylene	9.69		"	10.0		96.9	71-122		0.822	30	
Trichlorofluoromethane	9.06		"	10.0		90.6	67-130		0.770	30	
Vinyl Chloride	8.94		"	10.0		89.4	49-125		1.11	30	
Surrogate: 1,2-Dichloroethane-d4	9.77		"	10.0		97.7	79-133				
Surrogate: p-Bromofluorobenzene	9.67		"	10.0		96.7	65-133				
Surrogate: Toluene-d8	9.72		"	10.0		97.2	80-123				



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

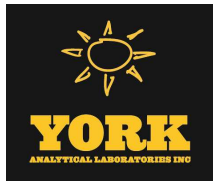
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30270 - EPA 3010A

Blank (BI30270-BLK1)										Prepared & Analyzed: 09/06/2013	
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BI30270-DUP1) *Source sample: 13I0196-01 (WQ090313:1340NP2-10)										Prepared & Analyzed: 09/06/2013	
Iron - Dissolved	ND	0.0200	mg/L		ND					20	
Matrix Spike (BI30270-MS1) *Source sample: 13I0196-01 (WQ090313:1340NP2-10)										Prepared & Analyzed: 09/06/2013	
Iron - Dissolved	1.07	0.0200	mg/L	1.00	ND	107	75-125				
Reference (BI30270-SRM1)										Prepared & Analyzed: 09/06/2013	
Iron - Dissolved	1.42	0.0200	mg/L	1.39		102	88.4-113				

Batch BI30271 - EPA 3010A

Blank (BI30271-BLK1)										Prepared & Analyzed: 09/06/2013	
Iron	ND	0.0200	mg/L								
Duplicate (BI30271-DUP1) *Source sample: 13I0196-01 (WQ090313:1340NP2-10)										Prepared & Analyzed: 09/06/2013	
Iron	38.1	0.0200	mg/L		37.9					0.301	20
Matrix Spike (BI30271-MS1) *Source sample: 13I0196-01 (WQ090313:1340NP2-10)										Prepared & Analyzed: 09/06/2013	
Iron	39.1	0.0200	mg/L	1.00	37.9	119	75-125				
Reference (BI30271-SRM1)										Prepared & Analyzed: 09/06/2013	
Iron	1.41	0.0200	mg/L	1.39		102	88.4-113				



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 BI30380 - % Solids Prep

Blank (BI30380-BLK1)

Prepared: 09/10/2013 Analyzed: 09/12/2013

Total Dissolved Solids	ND	1.00	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0195-01	WQ090313:1330NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0195-02	WQ090313:1335NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0196-01	WQ090313:1340NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-LSRD	Original sample conc <50 X reporting limit.
M-ACCB	Analyte in CCB. Run is bracketed by acceptable CCBs.
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.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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.

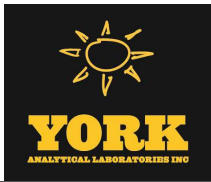
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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



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

York Project No. 13 I 0195

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report type	
Company: <u>LBG</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 Reservoir Dr, Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>
Phone No. <u>203-929-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>
Contact Person: <u>Tonda Sandoz</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>TSandoz@LBGCT.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>
<u>PLEASE CLEARLY LABEL ALL INFORMATION MUST BE COMPLETED</u> <u>Samples will NOT be logged in and the turn-around time clock will not begin until an inspection by Yorkville is resolved</u> <u>Samples Collected/Authorized By (Signature)</u> <u>STEPHEN HANSEN</u> Name (printed)											
Sample Identification		Date Sampled		Sample Matrix		Choose Analyses Needed from the Menu Above and Enter Below		Container		Description(s)	
<u>W2090213-1530N12-6</u>		<u>7/3/13 1330</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SWP6-6010) / Vols, P260 list (EPA SWP45-8260b) plus from 113</u>		<u>31 20</u>		<u>31 20</u>	
<u>W2090213-1535N12-7</u>		<u>7/3/13 1335</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SWP6-6010) / Vols, P260 list (EPA SWP45-8260b) plus from 113</u>		<u>31 20</u>		<u>31 20</u>	
<u>W2090213-1540N12-10</u>		<u>7/3/13 1340</u>		<u>GW</u>		<u>Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SWP6-6010) / Vols, P260 list (EPA SWP45-8260b) plus from 113</u>		<u>31 20</u>		<u>31 20</u>	
Comments											
Preservation Check those Applicable											
Special Instructions											
Field Filtered ☐											
Lab to Filter ☐											
Temperature on Receipt <u>41.3 °C</u>											

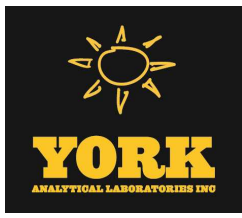
Field Chain-of-Custody Record

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. 13I0196

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type													
Company: <u>LBG</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Apwe Industries</u>	Company: <u>Same</u>	Company: <u>Apwe Industries</u>	Company: <u>Same</u>	Company: <u>Apwe Industries</u>	Company: <u>Same</u>	Company: <u>Apwe Industries</u>	Company: <u>Same</u>	Company: <u>Apwe Industries</u>												
Address: <u>4 Research Dr, Suite 301</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>	Address: <u>Same</u>												
Phone No. <u>203-929-8555</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>	Phone No. <u>Same</u>												
Contact Person: <u>Tunde Sandoz</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>TSandoz@LBGCT.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 S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor		Volatiles 8260 full 624 STARS list BTX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list		Semi-Volatiles 8270 & 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NIDEP list App. IX TCLP BNA SPL & TCLP		Metals RCRA8 PPI3 list TAL CT 15 list TAGM list NIDEP list Total Dissolved SPL & TCLP Inorganic LIST Below		Misc. Org. TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 NIDEP list Air TO15 Air STARS Air VPH Air TICs Methane Halon		Full Lists Full Poll. TCL Orgs TAL MeCP Full TCLP Full App IX Part 300 Routine Part 300 Residue Part 300 Metals Part 300 Pesticides NYDEP Sewer NYDEP Cement TAGM		Misc. Concreteness Reactivity Ignitability Flash Point Sieve Anal. Heterocyclics TOX BTU/b. Aromatic Tox. TOC Asbestos Silica		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 ☐ Summary w/ QA Summary ☐ CT RCP Package ☐ CT RCP DQ/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☐ NYDEP Red. Deliv. ☒ Electronic Data Deliverables (EDD)					
Samples Collected/Authorized By (Signature) <u>STEPHEN MAAT</u>		Name (printed) <u>STEPHEN MAAT</u>		Choose Analyses Needed from the Menu Above and Enter Below		Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SW 846-0010) / VOCs, P260 List (EPA SW 845-8260b) plus from 113		Fe by EPA 800.71 Fe, Dissolved by EPA 8010 (SW 846-0010) / VOCs, P260 List (EPA SW 845-8260b) plus from 113 / TO5 (SH 2540c)		Container Description(s) <u>3u 2c</u> <u>3u 2c</u> <u>3u 3c</u>													
Sample Identification <u>WQ0903131550N12-6</u> <u>WQ0903131535N12-7</u> <u>WQ0903131540N12-10</u>		Date Sampled <u>9/5/13</u> <u>1335</u> <u>1340</u>		Sample Matrix <u>GW</u> <u>GW</u> <u>GW</u>		4°C <u>136 Bridge</u> <u>By Milieu</u>		Frozen <u>By Milieu</u>		HCl <u>By Milieu</u>		MeOH <u>By Milieu</u>		Ascetic Acid <u>By Milieu</u>		BNO <u>By Milieu</u>		H ₂ O <u>By Milieu</u>		NaOH <u>By Milieu</u>		Temperature on Receipt <u>4.3 °C</u>	
Comments		Preservation Check those applicable Special Instructions Field Filtered ☐ Lab to Filter ☐		Samples Relinquished By <u>By Milieu</u>		Date/Time <u>9/5/13</u>		Samples Received By <u>By Milieu</u>		Date/Time <u>9/5/13</u>		Samples Received in LAR by <u>By Milieu</u>		Date/Time <u>9/5/13</u>		Date/Time <u>9/5/13</u>		Date/Time <u>9/5/13</u>		Date/Time <u>9/5/13</u>		Date/Time <u>9/5/13</u>	



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Mark Goldberg

Report Date: 09/19/2013

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

York Project (SDG) No.: 13I0540

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/19/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13I0540

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Mark Goldberg

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 September 13, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13I0540-01	WQ091213:1200NP2-6	Water	09/12/2013	09/13/2013
13I0540-02	WQ091213:1210NP2-7	Water	09/12/2013	09/13/2013
13I0542-01	WQ091213:1220NP2-10	Water	09/13/2013	09/13/2013

General Notes for York Project (SDG) No.: 13I0540

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: 09/19/2013

YORK



Sample Information

Client Sample ID: WQ091213:1200NP2-6

York Sample ID: 1310540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310540

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 12:00 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
71-55-6	1,1,1-Trichloroethane	0.21	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK



Sample Information

Client Sample ID: WQ091213:1200NP2-6

York Sample ID: 1310540-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310540

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 12:00 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
156-59-2	cis-1,2-Dichloroethylene	0.47	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
127-18-4	Tetrachloroethylene	1.1		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
79-01-6	Trichloroethylene	0.25	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 05:27	BK



Sample Information

Client Sample ID: WQ091213:1200NP2-6

York Sample ID: 1310540-01

York Project (SDG) No.

1310540

Client Project ID

O&M Sag Harbor (Rowe Industries Site)

Matrix

Water

Collection Date/Time

September 12, 2013 12:00 pm

Date Received

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	120 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	117 %			65-133						
2037-26-5	Surrogate: Toluene-d8	99.6 %			80-123						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	11.9		mg/L	0.0146	0.0200	1	EPA 200.7	09/16/2013 14:11	09/16/2013 17:29	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:20	MW

Sample Information

Client Sample ID: WQ091213:1210NP2-7

York Sample ID: 1310540-02

York Project (SDG) No.

1310540

Client Project ID

O&M Sag Harbor (Rowe Industries Site)

Matrix

Water

Collection Date/Time

September 12, 2013 12:10 pm

Date Received

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK



Sample Information

Client Sample ID: WQ091213:1210NP2-7

York Sample ID: 1310540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310540

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 12:10 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
67-64-1	Acetone	1.5	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK



Sample Information

Client Sample ID: WQ091213:1210NP2-7

York Sample ID: 1310540-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310540

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 12:10 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 06:04	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	115 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	121 %	65-133								
2037-26-5	Surrogate: Toluene-d8	96.5 %	80-123								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	48.4		mg/L	0.0146	0.0200	1	EPA 200.7	09/16/2013 14:11	09/16/2013 17:34	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0207		mg/L	0.0200	0.0200	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:24	MW



Sample Information

Client Sample ID: WQ091213:1220NP2-10

York Sample ID: 1310542-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310542

O&M Sag Harbor (Rowe Industries Site)

Water

September 13, 2013 12:20 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
67-64-1	Acetone	1.3	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK



Sample Information

Client Sample ID: WQ091213:1220NP2-10

York Sample ID: 1310542-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310542

O&M Sag Harbor (Rowe Industries Site)

Water

September 13, 2013 12:20 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 19:13	BK



Sample Information

Client Sample ID: WQ091213:1220NP2-10

York Sample ID: 1310542-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310542

O&M Sag Harbor (Rowe Industries Site)

Water

September 13, 2013 12:20 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	114 %			65-133						
2037-26-5	Surrogate: Toluene-d8	97.8 %			80-123						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	43.9		mg/L	0.0146	0.0200	1	EPA 200.7	09/16/2013 14:11	09/16/2013 17:39	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0272		mg/L	0.0200	0.0200	1	EPA SW846-6010B	09/16/2013 14:08	09/16/2013 16:29	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	108		mg/L	20.0	20.0	1	SM 2540C	09/18/2013 08:39	09/19/2013 15:39	BGS



Analytical Batch Summary

Batch ID: BI30652 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0542-01	WQ091213:1220NP2-10	09/16/13
BI30652-BLK1	Blank	09/16/13
BI30652-BS1	LCS	09/16/13
BI30652-BSD1	LCS Dup	09/16/13

Batch ID: BI30664 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0540-01	WQ091213:1200NP2-6	09/16/13
13I0540-02	WQ091213:1210NP2-7	09/16/13
BI30664-BLK1	Blank	09/16/13
BI30664-BS1	LCS	09/16/13
BI30664-BSD1	LCS Dup	09/16/13

Batch ID: BI30673 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0540-01	WQ091213:1200NP2-6	09/16/13
13I0540-02	WQ091213:1210NP2-7	09/16/13
13I0542-01	WQ091213:1220NP2-10	09/16/13
BI30673-BLK1	Blank	09/16/13
BI30673-DUP1	Duplicate	09/16/13
BI30673-MS1	Matrix Spike	09/16/13
BI30673-SRM1	Reference	09/16/13

Batch ID: BI30675 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0540-01	WQ091213:1200NP2-6	09/16/13
13I0540-02	WQ091213:1210NP2-7	09/16/13
13I0542-01	WQ091213:1220NP2-10	09/16/13
BI30675-BLK1	Blank	09/16/13
BI30675-DUP1	Duplicate	09/16/13
BI30675-MS1	Matrix Spike	09/16/13
BI30675-SRM1	Reference	09/16/13

Batch ID: BI30780 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0542-01	WQ091213:1220NP2-10	09/18/13
BI30780-BLK1	Blank	09/18/13



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 BI30652 - EPA 5030B

Blank (BI30652-BLK1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.0	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30652 - EPA 5030B

Blank (BI30652-BLK1)

Prepared & Analyzed: 09/16/2013

p- & m- Xylenes	ND	1.0	ug/L								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.95</i>		<i>"</i>	<i>10.0</i>		<i>99.5</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.3</i>		<i>"</i>	<i>10.0</i>		<i>113</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>80-123</i>				

LCS (BI30652-BS1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	84-127				
1,1,1-Trichloroethane	9.33		"	10.0		93.3	80-131				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.32		"	10.0		93.2	70-133				
1,1,2-Trichloroethane	9.92		"	10.0		99.2	73-124				
1,1-Dichloroethane	8.87		"	10.0		88.7	79-123				
1,1-Dichloroethylene	8.54		"	10.0		85.4	71-123				
1,1-Dichloropropylene	8.87		"	10.0		88.7	73-117				
1,2,3-Trichlorobenzene	9.23		"	10.0		92.3	78-117				
1,2,3-Trichloropropane	10.5		"	10.0		105	68-119				
1,2,4-Trichlorobenzene	9.02		"	10.0		90.2	78-117				
1,2,4-Trimethylbenzene	9.86		"	10.0		98.6	68-134				
1,2-Dibromo-3-chloropropane	10.6		"	10.0		106	73-129				
1,2-Dibromoethane	10.2		"	10.0		102	73-139				
1,2-Dichlorobenzene	10.3		"	10.0		103	83-110				
1,2-Dichloroethane	9.26		"	10.0		92.6	81-120				
1,2-Dichloropropane	9.83		"	10.0		98.3	76-120				
1,3,5-Trimethylbenzene	8.93		"	10.0		89.3	74-121				
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112				
1,3-Dichloropropane	9.91		"	10.0		99.1	77-122				
1,4-Dichlorobenzene	10.4		"	10.0		104	83-110				
2,2-Dichloropropane	9.85		"	10.0		98.5	50-163				
2-Chlorotoluene	9.62		"	10.0		96.2	74-115				
2-Hexanone	9.78		"	10.0		97.8	65-130				
4-Chlorotoluene	9.87		"	10.0		98.7	77-119				
Acetone	9.69		"	10.0		96.9	54-129				
Benzene	9.31		"	10.0		93.1	77-122				
Bromobenzene	10.3		"	10.0		103	76-114				
Bromochloromethane	8.99		"	10.0		89.9	73-125				
Bromodichloromethane	10.0		"	10.0		100	83-120				
Bromoform	11.4		"	10.0		114	72-139				
Bromomethane	10.1		"	10.0		101	52-128				
Carbon tetrachloride	9.73		"	10.0		97.3	66-152				
Chlorobenzene	9.99		"	10.0		99.9	85-113				



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 BI30652 - EPA 5030B

LCS (BI30652-BS1)

Prepared & Analyzed: 09/16/2013

Chloroethane	8.18		ug/L	10.0		81.8	60-124				
Chloroform	9.16		"	10.0		91.6	82-119				
Chloromethane	6.03		"	10.0		60.3	42-126				
cis-1,2-Dichloroethylene	8.95		"	10.0		89.5	79-116				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134				
Dibromochloromethane	11.1		"	10.0		111	74-151				
Dibromomethane	9.96		"	10.0		99.6	74-128				
Dichlorodifluoromethane	5.34		"	10.0		53.4	10-146				
Ethyl Benzene	10.0		"	10.0		100	85-125				
Hexachlorobutadiene	10.3		"	10.0		103	69-131				
Isopropylbenzene	10.0		"	10.0		100	71-128				
Methyl tert-butyl ether (MTBE)	9.53		"	10.0		95.3	51-134				
Methylene chloride	8.03		"	10.0		80.3	76-122				
Naphthalene	7.42		"	10.0		74.2	72-127				
n-Butylbenzene	9.53		"	10.0		95.3	69-127				
n-Propylbenzene	9.97		"	10.0		99.7	70-129				
o-Xylene	9.66		"	10.0		96.6	83-117				
p- & m- Xylenes	19.0		"	20.0		95.2	80-126				
p-Isopropyltoluene	10.5		"	10.0		105	74-130				
sec-Butylbenzene	10.3		"	10.0		103	72-132				
Styrene	11.0		"	10.0		110	62-160				
tert-Butylbenzene	10.7		"	10.0		107	75-129				
Tetrachloroethylene	9.95		"	10.0		99.5	67-118				
Toluene	9.90		"	10.0		99.0	82-118				
trans-1,2-Dichloroethylene	8.76		"	10.0		87.6	76-119				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	80-137				
Trichloroethylene	9.53		"	10.0		95.3	71-122				
Trichlorofluoromethane	8.40		"	10.0		84.0	67-130				
Vinyl Chloride	7.54		"	10.0		75.4	49-125				
Surrogate: 1,2-Dichloroethane-d4	8.98		"	10.0		89.8	79-133				
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	65-133				
Surrogate: Toluene-d8	9.55		"	10.0		95.5	80-123				



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 BI30652 - EPA 5030B											
LCS Dup (BI30652-BS01)						Prepared & Analyzed: 09/16/2013					
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	84-127		0.878	30	
1,1,1-Trichloroethane	9.22		"	10.0		92.2	80-131		1.19	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-120		1.87	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.09		"	10.0		90.9	70-133		2.50	30	
1,1,2-Trichloroethane	9.95		"	10.0		99.5	73-124		0.302	30	
1,1-Dichloroethane	8.75		"	10.0		87.5	79-123		1.36	30	
1,1-Dichloroethylene	8.36		"	10.0		83.6	71-123		2.13	30	
1,1-Dichloropropylene	8.72		"	10.0		87.2	73-117		1.71	30	
1,2,3-Trichlorobenzene	9.37		"	10.0		93.7	78-117		1.51	30	
1,2,3-Trichloropropane	10.4		"	10.0		104	68-119		0.768	30	
1,2,4-Trichlorobenzene	8.95		"	10.0		89.5	78-117		0.779	30	
1,2,4-Trimethylbenzene	9.44		"	10.0		94.4	68-134		4.35	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	73-129		2.28	30	
1,2-Dibromoethane	10.3		"	10.0		103	73-139		0.488	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	83-110		1.27	30	
1,2-Dichloroethane	9.25		"	10.0		92.5	81-120		0.108	30	
1,2-Dichloropropane	10.0		"	10.0		100	76-120		2.21	30	
1,3,5-Trimethylbenzene	9.02		"	10.0		90.2	74-121		1.00	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112		0.393	30	
1,3-Dichloropropane	9.95		"	10.0		99.5	77-122		0.403	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	83-110		1.65	30	
2,2-Dichloropropane	9.58		"	10.0		95.8	50-163		2.78	30	
2-Chlorotoluene	9.46		"	10.0		94.6	74-115		1.68	30	
2-Hexanone	9.28		"	10.0		92.8	65-130		5.25	30	
4-Chlorotoluene	9.72		"	10.0		97.2	77-119		1.53	30	
Acetone	8.44		"	10.0		84.4	54-129		13.8	30	
Benzene	9.20		"	10.0		92.0	77-122		1.19	30	
Bromobenzene	10.2		"	10.0		102	76-114		1.07	30	
Bromochloromethane	8.93		"	10.0		89.3	73-125		0.670	30	
Bromodichloromethane	10.1		"	10.0		101	83-120		0.892	30	
Bromoform	11.4		"	10.0		114	72-139		0.175	30	
Bromomethane	9.98		"	10.0		99.8	52-128		1.49	30	
Carbon tetrachloride	9.50		"	10.0		95.0	66-152		2.39	30	
Chlorobenzene	10.0		"	10.0		100	85-113		0.300	30	
Chloroethane	8.04		"	10.0		80.4	60-124		1.73	30	
Chloroform	9.19		"	10.0		91.9	82-119		0.327	30	
Chloromethane	5.91		"	10.0		59.1	42-126		2.01	30	
cis-1,2-Dichloroethylene	8.84		"	10.0		88.4	79-116		1.24	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134		0.734	30	
Dibromochloromethane	11.3		"	10.0		113	74-151		2.41	30	
Dibromomethane	9.89		"	10.0		98.9	74-128		0.705	30	
Dichlorodifluoromethane	5.41		"	10.0		54.1	10-146		1.30	30	
Ethyl Benzene	10.2		"	10.0		102	85-125		1.78	30	
Hexachlorobutadiene	10.2		"	10.0		102	69-131		1.08	30	
Isopropylbenzene	9.97		"	10.0		99.7	71-128		0.600	30	
Methyl tert-butyl ether (MTBE)	9.30		"	10.0		93.0	51-134		2.44	30	
Methylene chloride	7.96		"	10.0		79.6	76-122		0.876	30	
Naphthalene	7.39		"	10.0		73.9	72-127		0.405	30	
n-Butylbenzene	9.39		"	10.0		93.9	69-127		1.48	30	
n-Propylbenzene	9.84		"	10.0		98.4	70-129		1.31	30	
o-Xylene	9.72		"	10.0		97.2	83-117		0.619	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 BI30652 - EPA 5030B

LCS Dup (BI30652-BSD1)

Prepared & Analyzed: 09/16/2013

p- & m- Xylenes	19.0		ug/L	20.0		95.2	80-126		0.0525	30
p-Isopropyltoluene	10.2		"	10.0		102	74-130		3.68	30
sec-Butylbenzene	10.1		"	10.0		101	72-132		1.95	30
Styrene	10.5		"	10.0		105	62-160		4.47	30
tert-Butylbenzene	10.0		"	10.0		100	75-129		5.98	30
Tetrachloroethylene	9.92		"	10.0		99.2	67-118		0.302	30
Toluene	9.95		"	10.0		99.5	82-118		0.504	30
trans-1,2-Dichloroethylene	8.78		"	10.0		87.8	76-119		0.228	30
trans-1,3-Dichloropropylene	10.9		"	10.0		109	80-137		1.11	30
Trichloroethylene	9.71		"	10.0		97.1	71-122		1.87	30
Trichlorofluoromethane	8.29		"	10.0		82.9	67-130		1.32	30
Vinyl Chloride	7.47		"	10.0		74.7	49-125		0.933	30
Surrogate: 1,2-Dichloroethane-d4	9.09		"	10.0		90.9	79-133			
Surrogate: p-Bromofluorobenzene	9.91		"	10.0		99.1	65-133			
Surrogate: Toluene-d8	9.81		"	10.0		98.1	80-123			

Batch BI30664 - EPA 5030B

Blank (BI30664-BLK1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.5	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30664 - EPA 5030B

Blank (BI30664-BLK1)

Prepared & Analyzed: 09/16/2013

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.9		"	10.0		109	79-133				
Surrogate: p-Bromofluorobenzene	11.8		"	10.0		118	65-133				
Surrogate: Toluene-d8	9.85		"	10.0		98.5	80-123				



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 BI30664 - EPA 5030B											
LCS (BI30664-BS1)						Prepared & Analyzed: 09/16/2013					
1,1,1,2-Tetrachloroethane	9.51		ug/L	10.0		95.1	84-127				
1,1,1-Trichloroethane	10.2		"	10.0		102	80-131				
1,1,2,2-Tetrachloroethane	9.29		"	10.0		92.9	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-133				
1,1,2-Trichloroethane	9.13		"	10.0		91.3	73-124				
1,1-Dichloroethane	9.74		"	10.0		97.4	79-123				
1,1-Dichloroethylene	9.93		"	10.0		99.3	71-123				
1,1-Dichloropropylene	9.63		"	10.0		96.3	73-117				
1,2,3-Trichlorobenzene	9.80		"	10.0		98.0	78-117				
1,2,3-Trichloropropane	8.61		"	10.0		86.1	68-119				
1,2,4-Trichlorobenzene	9.54		"	10.0		95.4	78-117				
1,2,4-Trimethylbenzene	9.31		"	10.0		93.1	68-134				
1,2-Dibromo-3-chloropropane	9.14		"	10.0		91.4	73-129				
1,2-Dibromoethane	9.15		"	10.0		91.5	73-139				
1,2-Dichlorobenzene	9.82		"	10.0		98.2	83-110				
1,2-Dichloroethane	9.72		"	10.0		97.2	81-120				
1,2-Dichloropropane	9.57		"	10.0		95.7	76-120				
1,3,5-Trimethylbenzene	9.26		"	10.0		92.6	74-121				
1,3-Dichlorobenzene	9.61		"	10.0		96.1	82-112				
1,3-Dichloropropane	9.14		"	10.0		91.4	77-122				
1,4-Dichlorobenzene	9.60		"	10.0		96.0	83-110				
2,2-Dichloropropane	9.00		"	10.0		90.0	50-163				
2-Chlorotoluene	9.49		"	10.0		94.9	74-115				
2-Hexanone	8.01		"	10.0		80.1	65-130				
4-Chlorotoluene	9.58		"	10.0		95.8	77-119				
Acetone	9.03		"	10.0		90.3	54-129				
Benzene	9.95		"	10.0		99.5	77-122				
Bromobenzene	9.32		"	10.0		93.2	76-114				
Bromochloromethane	9.25		"	10.0		92.5	73-125				
Bromodichloromethane	9.66		"	10.0		96.6	83-120				
Bromoform	9.47		"	10.0		94.7	72-139				
Bromomethane	11.8		"	10.0		118	52-128				
Carbon tetrachloride	10.8		"	10.0		108	66-152				
Chlorobenzene	9.81		"	10.0		98.1	85-113				
Chloroethane	9.83		"	10.0		98.3	60-124				
Chloroform	9.81		"	10.0		98.1	82-119				
Chloromethane	8.60		"	10.0		86.0	42-126				
cis-1,2-Dichloroethylene	9.59		"	10.0		95.9	79-116				
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	85-134				
Dibromochloromethane	9.79		"	10.0		97.9	74-151				
Dibromomethane	9.11		"	10.0		91.1	74-128				
Dichlorodifluoromethane	9.90		"	10.0		99.0	10-146				
Ethyl Benzene	10.2		"	10.0		102	85-125				
Hexachlorobutadiene	9.97		"	10.0		99.7	69-131				
Isopropylbenzene	9.77		"	10.0		97.7	71-128				
Methyl tert-butyl ether (MTBE)	9.47		"	10.0		94.7	51-134				
Methylene chloride	9.04		"	10.0		90.4	76-122				
Naphthalene	9.40		"	10.0		94.0	72-127				
n-Butylbenzene	9.67		"	10.0		96.7	69-127				
n-Propylbenzene	9.79		"	10.0		97.9	70-129				
o-Xylene	9.78		"	10.0		97.8	83-117				



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
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Batch BI30664 - EPA 5030B

LCS (BI30664-BS1)

Prepared & Analyzed: 09/16/2013

p- & m- Xylenes	19.5		ug/L	20.0		97.7	80-126				
p-Isopropyltoluene	10.1		"	10.0		101	74-130				
sec-Butylbenzene	10.1		"	10.0		101	72-132				
Styrene	10.6		"	10.0		106	62-160				
tert-Butylbenzene	10.2		"	10.0		102	75-129				
Tetrachloroethylene	9.71		"	10.0		97.1	67-118				
Toluene	9.91		"	10.0		99.1	82-118				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	76-119				
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7	80-137				
Trichloroethylene	9.55		"	10.0		95.5	71-122				
Trichlorofluoromethane	10.1		"	10.0		101	67-130				
Vinyl Chloride	9.95		"	10.0		99.5	49-125				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.39</i>		<i>"</i>	<i>10.0</i>		<i>93.9</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.93</i>		<i>"</i>	<i>10.0</i>		<i>99.3</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.73</i>		<i>"</i>	<i>10.0</i>		<i>97.3</i>	<i>80-123</i>				

LCS Dup (BI30664-BS1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	9.68		ug/L	10.0		96.8	84-127		1.77	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	80-131		1.17	30	
1,1,2,2-Tetrachloroethane	9.85		"	10.0		98.5	76-120		5.85	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	70-133		0.276	30	
1,1,2-Trichloroethane	9.64		"	10.0		96.4	73-124		5.43	30	
1,1-Dichloroethane	9.70		"	10.0		97.0	79-123		0.412	30	
1,1-Dichloroethylene	9.93		"	10.0		99.3	71-123		0.00	30	
1,1-Dichloropropylene	9.56		"	10.0		95.6	73-117		0.730	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	78-117		5.27	30	
1,2,3-Trichloropropane	9.65		"	10.0		96.5	68-119		11.4	30	
1,2,4-Trichlorobenzene	9.79		"	10.0		97.9	78-117		2.59	30	
1,2,4-Trimethylbenzene	9.35		"	10.0		93.5	68-134		0.429	30	
1,2-Dibromo-3-chloropropane	9.86		"	10.0		98.6	73-129		7.58	30	
1,2-Dibromoethane	9.56		"	10.0		95.6	73-139		4.38	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	83-110		2.02	30	
1,2-Dichloroethane	10.0		"	10.0		100	81-120		3.04	30	
1,2-Dichloropropane	9.71		"	10.0		97.1	76-120		1.45	30	
1,3,5-Trimethylbenzene	9.24		"	10.0		92.4	74-121		0.216	30	
1,3-Dichlorobenzene	9.66		"	10.0		96.6	82-112		0.519	30	
1,3-Dichloropropane	9.48		"	10.0		94.8	77-122		3.65	30	
1,4-Dichlorobenzene	9.97		"	10.0		99.7	83-110		3.78	30	
2,2-Dichloropropane	8.94		"	10.0		89.4	50-163		0.669	30	
2-Chlorotoluene	9.39		"	10.0		93.9	74-115		1.06	30	
2-Hexanone	8.87		"	10.0		88.7	65-130		10.2	30	
4-Chlorotoluene	9.67		"	10.0		96.7	77-119		0.935	30	
Acetone	9.72		"	10.0		97.2	54-129		7.36	30	
Benzene	9.94		"	10.0		99.4	77-122		0.101	30	
Bromobenzene	9.70		"	10.0		97.0	76-114		4.00	30	
Bromochloromethane	9.28		"	10.0		92.8	73-125		0.324	30	
Bromodichloromethane	9.86		"	10.0		98.6	83-120		2.05	30	
Bromoform	10.2		"	10.0		102	72-139		6.93	30	
Bromomethane	11.2		"	10.0		112	52-128		4.44	30	
Carbon tetrachloride	10.6		"	10.0		106	66-152		1.86	30	
Chlorobenzene	9.95		"	10.0		99.5	85-113		1.42	30	
Chloroethane	9.61		"	10.0		96.1	60-124		2.26	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 BI30664 - EPA 5030B

LCS Dup (BI30664-BSD1)

Prepared & Analyzed: 09/16/2013

Chloroform	9.85		ug/L	10.0		98.5	82-119		0.407	30	
Chloromethane	8.52		"	10.0		85.2	42-126		0.935	30	
cis-1,2-Dichloroethylene	9.77		"	10.0		97.7	79-116		1.86	30	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	85-134		3.35	30	
Dibromochloromethane	10.1		"	10.0		101	74-151		2.72	30	
Dibromomethane	9.55		"	10.0		95.5	74-128		4.72	30	
Dichlorodifluoromethane	9.91		"	10.0		99.1	10-146		0.101	30	
Ethyl Benzene	10.2		"	10.0		102	85-125		0.392	30	
Hexachlorobutadiene	10.1		"	10.0		101	69-131		1.30	30	
Isopropylbenzene	9.90		"	10.0		99.0	71-128		1.32	30	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	51-134		4.04	30	
Methylene chloride	9.05		"	10.0		90.5	76-122		0.111	30	
Naphthalene	10.0		"	10.0		100	72-127		6.68	30	
n-Butylbenzene	9.78		"	10.0		97.8	69-127		1.13	30	
n-Propylbenzene	9.98		"	10.0		99.8	70-129		1.92	30	
o-Xylene	9.66		"	10.0		96.6	83-117		1.23	30	
p- & m- Xylenes	19.4		"	20.0		97.2	80-126		0.462	30	
p-Isopropyltoluene	10.1		"	10.0		101	74-130		0.0989	30	
sec-Butylbenzene	10.2		"	10.0		102	72-132		0.493	30	
Styrene	10.6		"	10.0		106	62-160		0.284	30	
tert-Butylbenzene	10.3		"	10.0		103	75-129		1.37	30	
Tetrachloroethylene	9.62		"	10.0		96.2	67-118		0.931	30	
Toluene	9.99		"	10.0		99.9	82-118		0.804	30	
trans-1,2-Dichloroethylene	9.81		"	10.0		98.1	76-119		2.02	30	
trans-1,3-Dichloropropylene	9.61		"	10.0		96.1	80-137		1.47	30	
Trichloroethylene	9.62		"	10.0		96.2	71-122		0.730	30	
Trichlorofluoromethane	9.86		"	10.0		98.6	67-130		2.31	30	
Vinyl Chloride	9.87		"	10.0		98.7	49-125		0.807	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.60</i>		<i>"</i>	<i>10.0</i>		<i>96.0</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.95</i>		<i>"</i>	<i>10.0</i>		<i>99.5</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.76</i>		<i>"</i>	<i>10.0</i>		<i>97.6</i>	<i>80-123</i>				



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

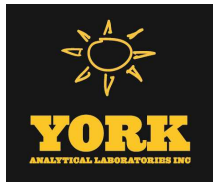
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
---------	--------	--------------------	-------	----------------	-------------------	------	----------------	------	-----	--------------	------

Batch BI30673 - EPA 3010A

Blank (BI30673-BLK1)										Prepared & Analyzed: 09/16/2013	
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BI30673-DUP1) *Source sample: 13I0542-01 (WQ091213:1220NP2-10)										Prepared & Analyzed: 09/16/2013	
Iron - Dissolved	0.0243	0.0200	mg/L		0.0272				11.0	20	
Matrix Spike (BI30673-MS1) *Source sample: 13I0542-01 (WQ091213:1220NP2-10)										Prepared & Analyzed: 09/16/2013	
Iron - Dissolved	1.08	0.0200	mg/L	1.00	0.0272	105	75-125				
Reference (BI30673-SRM1)										Prepared & Analyzed: 09/16/2013	
Iron - Dissolved	1.41	0.0200	mg/L	1.39		102	88.4-113				

Batch BI30675 - EPA 3010A

Blank (BI30675-BLK1)										Prepared & Analyzed: 09/16/2013	
Iron	ND	0.0200	mg/L								
Duplicate (BI30675-DUP1) *Source sample: 13I0542-01 (WQ091213:1220NP2-10)										Prepared & Analyzed: 09/16/2013	
Iron	44.1	0.0200	mg/L		43.9				0.504	20	
Matrix Spike (BI30675-MS1) *Source sample: 13I0542-01 (WQ091213:1220NP2-10)										Prepared & Analyzed: 09/16/2013	
Iron	43.3	0.0200	mg/L	1.00	43.9	NR	75-125	Low Bias			
Reference (BI30675-SRM1)										Prepared & Analyzed: 09/16/2013	
Iron	1.39	0.0200	mg/L	1.39		100	88.4-113				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
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Batch BI30780 - % Solids Prep

Blank (BI30780-BLK1)

Prepared: 09/18/2013 Analyzed: 09/19/2013

Total Dissolved Solids	ND	20.0	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0540-01	WQ091213:1200NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0540-02	WQ091213:1210NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0542-01	WQ091213:1220NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

M-HCSpk Sample conc. >10 X spike conc.

M-ACCB Analyte in CCB. Run is bracketed by acceptable CCBs.

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.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

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 MDL, with values between the MDL and the RL 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 unless superseded by written contract.

York Project No. 1310540

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables	
Company: LRG	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same	Company: Same
Address: 4 Research Dr, Suite 301	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same
Shelton, CT 06484	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same	Address: Same
Phone No. 203-929-8555	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same	Phone No. Same
Contact Person: Tonde Sander	Attention: Same	Attention: Same	Attention: Same	Attention: Same	Attention: Same	Attention: Same	Attention: Same	Attention: Same	Attention: Same	Attention: Same	Attention: Same
E-Mail Address: Tsander@lrg.com	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same	E-Mail Address: Same
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved. Samples Collected/Authorized By (Signature) <u>Evan Foster</u> Name (printed) <u>Evan Foster</u>											
Choose Analyses Needed from the Menu Above and Enter Below											
Sample Identification	Date Sampled	Sample Matrix	Matrix Codes	Volatiles	Semivolatiles	Metals	Misc. Org.	Full Lists	Common Miscellaneous Parameters	Color	Special Instructions
WQ091213:1200NP2-6	9-12-13	GW	S - soil	8260 full	8270 & 625	RCRA8	TPH GRO	Full Poll.	Conductivity	Nitrate	Field Filtered ☐
WQ091213:1210NP2-7	9-12-13	GW	Other - specify (oil, etc.)	624	STARS list	PP13 list	TPH DRO	TCL Organic	Ignitability	Nitrite	Lab to Filter ☐
WQ091213:1220NP2-10	9-12-13	GW	WW - wastewater	STARS list	BN Only	TAL	CT ETPH	TAL MetCN	Flash Point	TKN	
			GW - groundwater	BTEX	Acids Only	CT RCP	NY 310-13	Full TCLP	Sieve Anal.	Tot. Nitrogen	
			DW - drinking water	MTBE	PAH list	App. IX	TPH 1664	Full App. IX	Heavy Metals	Ammonia-N	
			Air-A - ambient air	TCL list	TA GM list	Site Spec.	Air TO14A	Par. 360-Ru	Chloride	Chloride	
			Air-SV - soil vapor	TAGM list	CT RCP list	SP1 Per TCLP	Air TO15	Par. 360-Ru	Phosphate	BOD5	
				8210 list	TCL list	TCLP Herb	Air VPH	Par. 360-Ru	Tol. Phos.	BOD28	
				8210 list	NUDEP list	Chlordane	Air TICs	Par. 360-Ru	Oil & Grease	COD	
				8210 list	App. IX list	608 Pest	Methane	NYCDEP	FOG	TSS	
				8210 list	SP1 Per TCLP	608 PCB	Helium	NYCDEP	pH	Total Solids	
				8210 list	SP1 Per TCLP	608 PCB	Helium	NYCDEP	Asbestos	TDS	
				8210 list	SP1 Per TCLP	608 PCB	Helium	NYCDEP	Silica	TPH 1664	
Comments FE by EPA 200.7/Fe, dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 list (EPA SW846-8260B) plus from 113 FE by EPA 200.7/Fe, dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 list (EPA SW846-8260B) plus from 113 / TDS (SW846-540C)											
Temperature on Receipt 4-1 °C											

YORK

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

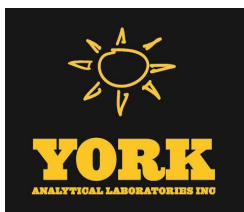
Field Chain-of-Custody Record

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 unless superseded by written contract.

York Project No. 1310542

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report-Type/Deliverables	
Company: <u>LBG</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>418 Beach Dr. Suite 301</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>	Address: <u>Shelton, CT 06484</u>
Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>	Phone No. <u>203-929-8555</u>
Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>	Contact Person: <u>Tunde Sander</u>
E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>	E-Mail Address: <u>Egandor@lbg-lab.com</u>
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved. Samples Collected/Authorized By (Signature) <u>Evan Foster</u> Name (printed) <u>Evan Foster</u>											
Choose Analyses Needed from the Menu Above and Enter Below											
Sample Identification	Date Sampled	Sample Matrix	FE by EPA 200.7 (Fe, dissolved by EPA 6010 (SW 846-6010)) / VOCs, 8240 list (EPA SW 845-8240) plus from 113 FE by EPA 200.7 (Fe, dissolved by EPA 6010 (SW 846-6010)) / VOCs, 8240 list (EPA SW 845-8240) plus from 113 / TDS (SW 846-6010)								
WQ091213:1200NP2-6	9-12-13	GW	3000, 1250 ml / 1000 ml / 1250 ml / 1000 ml								
WQ091213:1210NP2-7	9-12-13	GW	3000, 2250 ml / 1000 ml / 1250 ml / 1000 ml								
WQ091213:1220NP2-10	9-12-13	GW	3000, 2250 ml / 1000 ml / 1250 ml / 1000 ml								
Comments											
Preservation Check those Applicable											
4°C _____ Frozen _____ HCl _____ MeOH _____ NaOH _____ ZnAc _____ Ascorbic Acid _____ Other _____											
Samples Relinquished By <u>Anna Williams</u> Date/Time <u>9-13-13 16:50</u> Samples Relinquished By <u>Grace</u> Date/Time <u>9-13-13 16:50</u> Samples Relinquished By _____ Date/Time _____											
Temperature on Receipt <u>41.1 °C</u>											



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 10/03/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13I0970

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 10/03/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13I0970

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
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 September 26, 2013 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>
13I0970-01	WQ092413:1300NP2-6	Water	09/24/2013	09/26/2013
13I0970-02	WQ092413:1305NP2-7	Water	09/24/2013	09/26/2013
13I0971-01	WQ092413:1310NP2-10	Water	09/24/2013	09/26/2013

General Notes for York Project (SDG) No.: 13I0970

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 10/03/2013

YORK



Sample Information

Client Sample ID: WQ092413:1300NP2-6

York Sample ID: 1310970-01

York Project (SDG) No.

1310970

Client Project ID

Rowe Industries

Matrix

Water

Collection Date/Time

September 24, 2013 1:00 pm

Date Received

09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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	09/27/2013 09:12	09/27/2013 12:39	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
67-64-1	Acetone	1.1	J, B	ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK



Sample Information

Client Sample ID: WQ092413:1300NP2-6

York Sample ID: 1310970-01

York Project (SDG) No.
1310970

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 24, 2013 1:00 pm

Date Received
09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
156-59-2	cis-1,2-Dichloroethylene	2.0		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
127-18-4	Tetrachloroethylene	3.2		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
79-01-6	Trichloroethylene	0.64		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/27/2013 09:12	09/27/2013 12:39	BK



Sample Information

Client Sample ID: WQ092413:1300NP2-6

York Sample ID: 1310970-01

York Project (SDG) No.
1310970

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 24, 2013 1:00 pm

Date Received
09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	93.1 %			65-133						
2037-26-5	Surrogate: Toluene-d8	103 %			80-123						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	3.96		mg/L	0.0146	0.0200	1	EPA 200.7	10/02/2013 14:13	10/02/2013 18:33	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	ND		mg/L	0.0200	0.0200	1	EPA 6010C	10/02/2013 14:07	10/02/2013 16:41	MW

Sample Information

Client Sample ID: WQ092413:1305NP2-7

York Sample ID: 1310970-02

York Project (SDG) No.
1310970

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 24, 2013 1:05 pm

Date Received
09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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	09/27/2013 09:12	09/27/2013 13:21	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK



Sample Information

Client Sample ID: WQ092413:1305NP2-7

York Sample ID: 1310970-02

York Project (SDG) No.
1310970

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 24, 2013 1:05 pm

Date Received
09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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	09/27/2013 09:12	09/27/2013 13:21	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK



Sample Information

Client Sample ID: WQ092413:1305NP2-7

York Sample ID: 1310970-02

York Project (SDG) No.
1310970

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 24, 2013 1:05 pm

Date Received
09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/27/2013 09:12	09/27/2013 13:21	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	96.1 %	65-133								
2037-26-5	Surrogate: Toluene-d8	99.0 %	80-123								

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	4.42		mg/L	0.0146	0.0200	1	EPA 200.7	10/02/2013 14:13	10/02/2013 18:38	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0401		mg/L	0.0200	0.0200	1	EPA 6010C	10/02/2013 14:07	10/02/2013 16:46	MW



Sample Information

Client Sample ID: WQ092413:1310NP2-10

York Sample ID: 1310971-01

York Project (SDG) No.
1310971

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 24, 2013 1:10 pm

Date Received
09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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	09/27/2013 09:12	09/27/2013 14:04	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK



Sample Information

Client Sample ID: WQ092413:1310NP2-10

York Sample ID: 1310971-01

York Project (SDG) No.
1310971

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 24, 2013 1:10 pm

Date Received
09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/27/2013 09:12	09/27/2013 14:04	BK



Sample Information

Client Sample ID: WQ092413:1310NP2-10

York Sample ID: 1310971-01

York Project (SDG) No.
1310971

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
September 24, 2013 1:10 pm

Date Received
09/26/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %			79-133						
460-00-4	Surrogate: p-Bromofluorobenzene	95.9 %			65-133						
2037-26-5	Surrogate: Toluene-d8	102 %			80-123						

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	13.7		mg/L	0.0146	0.0200	1	EPA 200.7	10/02/2013 14:13	10/02/2013 18:43	MW

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3010A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	Iron	0.0801		mg/L	0.0200	0.0200	1	EPA 6010C	10/02/2013 14:07	10/02/2013 16:51	MW

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	168		mg/L	20.0	20.0	1	SM 2540C	10/01/2013 13:32	10/01/2013 13:45	BGS



Analytical Batch Summary

Batch ID: BI31278 **Preparation Method:** EPA 5030B **Prepared By:** EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0970-01	WQ092413:1300NP2-6	09/27/13
13I0970-02	WQ092413:1305NP2-7	09/27/13
13I0971-01	WQ092413:1310NP2-10	09/27/13
BI31278-BLK1	Blank	09/27/13
BI31278-BS1	LCS	09/27/13
BI31278-BSD1	LCS Dup	09/27/13

Batch ID: BJ30065 **Preparation Method:** % Solids Prep **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
13I0971-01	WQ092413:1310NP2-10	10/01/13
BJ30065-BLK1	Blank	10/01/13

Batch ID: BJ30113 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0970-01	WQ092413:1300NP2-6	10/02/13
13I0970-02	WQ092413:1305NP2-7	10/02/13
13I0971-01	WQ092413:1310NP2-10	10/02/13
BJ30113-BLK1	Blank	10/02/13
BJ30113-SRM1	Reference	10/02/13

Batch ID: BJ30115 **Preparation Method:** EPA 3010A **Prepared By:** MW

YORK Sample ID	Client Sample ID	Preparation Date
13I0970-01	WQ092413:1300NP2-6	10/02/13
13I0970-02	WQ092413:1305NP2-7	10/02/13
13I0971-01	WQ092413:1310NP2-10	10/02/13
BJ30115-BLK1	Blank	10/02/13
BJ30115-SRM1	Reference	10/02/13



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 BI31278 - EPA 5030B

Blank (BI31278-BLK1)

Prepared & Analyzed: 09/27/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.0	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	0.53	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI31278 - EPA 5030B

Blank (BI31278-BLK1)

Prepared & Analyzed: 09/27/2013

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

10.1

"

10.0

101

79-133

Surrogate: p-Bromofluorobenzene

9.17

"

10.0

91.7

65-133

Surrogate: Toluene-d8

10.0

"

10.0

100

80-123

LCS (BI31278-BS1)

Prepared & Analyzed: 09/27/2013

1,1,1,2-Tetrachloroethane	10.1	ug/L	10.0	101	84-127
1,1,1-Trichloroethane	10.0	"	10.0	100	80-131
1,1,2,2-Tetrachloroethane	9.50	"	10.0	95.0	76-120
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.09	"	10.0	90.9	70-133
1,1,2-Trichloroethane	9.69	"	10.0	96.9	73-124
1,1-Dichloroethane	9.31	"	10.0	93.1	79-123
1,1-Dichloroethylene	8.25	"	10.0	82.5	71-123
1,1-Dichloropropylene	9.21	"	10.0	92.1	73-117
1,2,3-Trichlorobenzene	9.41	"	10.0	94.1	78-117
1,2,3-Trichloropropane	9.18	"	10.0	91.8	68-119
1,2,4-Trichlorobenzene	9.80	"	10.0	98.0	78-117
1,2,4-Trimethylbenzene	9.78	"	10.0	97.8	68-134
1,2-Dibromo-3-chloropropane	9.70	"	10.0	97.0	73-129
1,2-Dibromoethane	10.0	"	10.0	100	73-139
1,2-Dichlorobenzene	9.34	"	10.0	93.4	83-110
1,2-Dichloroethane	9.67	"	10.0	96.7	81-120
1,2-Dichloropropane	9.71	"	10.0	97.1	76-120
1,3,5-Trimethylbenzene	9.93	"	10.0	99.3	74-121
1,3-Dichlorobenzene	9.34	"	10.0	93.4	82-112
1,3-Dichloropropane	9.95	"	10.0	99.5	77-122
1,4-Dichlorobenzene	9.13	"	10.0	91.3	83-110
2,2-Dichloropropane	11.1	"	10.0	111	50-163
2-Chlorotoluene	9.37	"	10.0	93.7	74-115
2-Hexanone	8.80	"	10.0	88.0	65-130
4-Chlorotoluene	9.35	"	10.0	93.5	77-119
Acetone	2.82	"	10.0	28.2	54-129
Benzene	9.40	"	10.0	94.0	77-122
Bromobenzene	8.91	"	10.0	89.1	76-114
Bromochloromethane	8.74	"	10.0	87.4	73-125
Bromodichloromethane	10.5	"	10.0	105	83-120
Bromoform	10.3	"	10.0	103	72-139
Bromomethane	7.12	"	10.0	71.2	52-128
Carbon tetrachloride	10.0	"	10.0	100	66-152
Chlorobenzene	10.0	"	10.0	100	85-113

Low Bias



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 BI31278 - EPA 5030B

LCS (BI31278-BS1)

Prepared & Analyzed: 09/27/2013

Chloroethane	6.53		ug/L	10.0		65.3	60-124				
Chloroform	9.55		"	10.0		95.5	82-119				
Chloromethane	4.62		"	10.0		46.2	42-126				
cis-1,2-Dichloroethylene	9.24		"	10.0		92.4	79-116				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134				
Dibromochloromethane	10.6		"	10.0		106	74-151				
Dibromomethane	9.53		"	10.0		95.3	74-128				
Dichlorodifluoromethane	2.45		"	10.0		24.5	10-146				
Ethyl Benzene	10.2		"	10.0		102	85-125				
Hexachlorobutadiene	10.1		"	10.0		101	69-131				
Isopropylbenzene	9.43		"	10.0		94.3	71-128				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	51-134				
Methylene chloride	6.97		"	10.0		69.7	76-122	Low Bias			
Naphthalene	9.76		"	10.0		97.6	72-127				
n-Butylbenzene	9.76		"	10.0		97.6	69-127				
n-Propylbenzene	9.75		"	10.0		97.5	70-129				
o-Xylene	9.97		"	10.0		99.7	83-117				
p- & m- Xylenes	20.6		"	20.0		103	80-126				
p-Isopropyltoluene	10.2		"	10.0		102	74-130				
sec-Butylbenzene	10.1		"	10.0		101	72-132				
Styrene	11.6		"	10.0		116	62-160				
tert-Butylbenzene	10.1		"	10.0		101	75-129				
Tetrachloroethylene	9.85		"	10.0		98.5	67-118				
Toluene	8.81		"	10.0		88.1	82-118				
trans-1,2-Dichloroethylene	9.76		"	10.0		97.6	76-119				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	80-137				
Trichloroethylene	9.89		"	10.0		98.9	71-122				
Trichlorofluoromethane	7.80		"	10.0		78.0	67-130				
Vinyl Chloride	6.27		"	10.0		62.7	49-125				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	79-133				
Surrogate: p-Bromofluorobenzene	9.85		"	10.0		98.5	65-133				
Surrogate: Toluene-d8	10.0		"	10.0		100	80-123				



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 BI31278 - EPA 5030B											
LCS Dup (BI31278-BSD1)						Prepared & Analyzed: 09/27/2013					
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	84-127		0.595	30	
1,1,1-Trichloroethane	9.66		"	10.0		96.6	80-131		3.46	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-120		9.43	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.45		"	10.0		84.5	70-133		7.30	30	
1,1,2-Trichloroethane	9.41		"	10.0		94.1	73-124		2.93	30	
1,1-Dichloroethane	9.18		"	10.0		91.8	79-123		1.41	30	
1,1-Dichloroethylene	7.98		"	10.0		79.8	71-123		3.33	30	
1,1-Dichloropropylene	9.01		"	10.0		90.1	73-117		2.20	30	
1,2,3-Trichlorobenzene	9.67		"	10.0		96.7	78-117		2.73	30	
1,2,3-Trichloropropane	9.12		"	10.0		91.2	68-119		0.656	30	
1,2,4-Trichlorobenzene	9.84		"	10.0		98.4	78-117		0.407	30	
1,2,4-Trimethylbenzene	9.41		"	10.0		94.1	68-134		3.86	30	
1,2-Dibromo-3-chloropropane	9.78		"	10.0		97.8	73-129		0.821	30	
1,2-Dibromoethane	10.4		"	10.0		104	73-139		3.14	30	
1,2-Dichlorobenzene	9.30		"	10.0		93.0	83-110		0.429	30	
1,2-Dichloroethane	9.35		"	10.0		93.5	81-120		3.36	30	
1,2-Dichloropropane	9.54		"	10.0		95.4	76-120		1.77	30	
1,3,5-Trimethylbenzene	9.57		"	10.0		95.7	74-121		3.69	30	
1,3-Dichlorobenzene	9.31		"	10.0		93.1	82-112		0.322	30	
1,3-Dichloropropane	10.2		"	10.0		102	77-122		2.58	30	
1,4-Dichlorobenzene	9.21		"	10.0		92.1	83-110		0.872	30	
2,2-Dichloropropane	10.7		"	10.0		107	50-163		3.76	30	
2-Chlorotoluene	9.50		"	10.0		95.0	74-115		1.38	30	
2-Hexanone	9.81		"	10.0		98.1	65-130		10.9	30	
4-Chlorotoluene	9.17		"	10.0		91.7	77-119		1.94	30	
Acetone	3.32		"	10.0		33.2	54-129	Low Bias	16.3	30	
Benzene	8.99		"	10.0		89.9	77-122		4.46	30	
Bromobenzene	9.79		"	10.0		97.9	76-114		9.41	30	
Bromochloromethane	8.94		"	10.0		89.4	73-125		2.26	30	
Bromodichloromethane	9.98		"	10.0		99.8	83-120		4.98	30	
Bromoform	10.4		"	10.0		104	72-139		1.16	30	
Bromomethane	6.83		"	10.0		68.3	52-128		4.16	30	
Carbon tetrachloride	9.95		"	10.0		99.5	66-152		0.601	30	
Chlorobenzene	9.93		"	10.0		99.3	85-113		0.802	30	
Chloroethane	6.82		"	10.0		68.2	60-124		4.34	30	
Chloroform	9.22		"	10.0		92.2	82-119		3.52	30	
Chloromethane	4.72		"	10.0		47.2	42-126		2.14	30	
cis-1,2-Dichloroethylene	8.89		"	10.0		88.9	79-116		3.86	30	
cis-1,3-Dichloropropylene	10.3		"	10.0		103	85-134		5.19	30	
Dibromochloromethane	11.2		"	10.0		112	74-151		5.51	30	
Dibromomethane	9.68		"	10.0		96.8	74-128		1.56	30	
Dichlorodifluoromethane	2.48		"	10.0		24.8	10-146		1.22	30	
Ethyl Benzene	9.99		"	10.0		99.9	85-125		2.47	30	
Hexachlorobutadiene	9.36		"	10.0		93.6	69-131		7.61	30	
Isopropylbenzene	9.17		"	10.0		91.7	71-128		2.80	30	
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	51-134		0.690	30	
Methylene chloride	6.76		"	10.0		67.6	76-122	Low Bias	3.06	30	
Naphthalene	10.4		"	10.0		104	72-127		6.64	30	
n-Butylbenzene	9.41		"	10.0		94.1	69-127		3.65	30	
n-Propylbenzene	9.51		"	10.0		95.1	70-129		2.49	30	
o-Xylene	9.78		"	10.0		97.8	83-117		1.92	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 BI31278 - EPA 5030B

LCS Dup (BI31278-BSD1)

Prepared & Analyzed: 09/27/2013

p- & m- Xylenes	19.5		ug/L	20.0		97.4	80-126		5.54	30	
p-Isopropyltoluene	9.73		"	10.0		97.3	74-130		4.91	30	
sec-Butylbenzene	9.73		"	10.0		97.3	72-132		3.93	30	
Styrene	11.2		"	10.0		112	62-160		3.76	30	
tert-Butylbenzene	9.71		"	10.0		97.1	75-129		3.94	30	
Tetrachloroethylene	9.64		"	10.0		96.4	67-118		2.15	30	
Toluene	8.49		"	10.0		84.9	82-118		3.70	30	
trans-1,2-Dichloroethylene	9.43		"	10.0		94.3	76-119		3.44	30	
trans-1,3-Dichloropropylene	10.7		"	10.0		107	80-137		1.12	30	
Trichloroethylene	9.71		"	10.0		97.1	71-122		1.84	30	
Trichlorofluoromethane	7.68		"	10.0		76.8	67-130		1.55	30	
Vinyl Chloride	6.15		"	10.0		61.5	49-125		1.93	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.57</i>		<i>"</i>	<i>10.0</i>		<i>95.7</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.55</i>		<i>"</i>	<i>10.0</i>		<i>95.5</i>	<i>80-123</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
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Batch BJ30113 - EPA 3010A

Blank (BJ30113-BLK1)

Prepared & Analyzed: 10/02/2013

Iron - Dissolved	ND	0.0200	mg/L
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Reference (BJ30113-SRM1)

Prepared & Analyzed: 10/02/2013

Iron - Dissolved	1.38	0.0200	mg/L	1.39	99.2	88.4-113
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Batch BJ30115 - EPA 3010A

Blank (BJ30115-BLK1)

Prepared & Analyzed: 10/02/2013

Iron	ND	0.0200	mg/L
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Reference (BJ30115-SRM1)

Prepared & Analyzed: 10/02/2013

Iron	1.36	0.0200	mg/L	1.39	98.0	88.4-113
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Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag
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Batch BJ30065 - % Solids Prep

Blank (BJ30065-BLK1)

Prepared: 10/01/2013 Analyzed: 10/03/2013

Total Dissolved Solids	ND	20.0	mg/L
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Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
1310970-01	WQ092413:1300NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
1310970-02	WQ092413:1305NP2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
1310971-01	WQ092413:1310NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

NOTE: York's Standard 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 written authorization to York to remove comments noted on the client site. I understand that York will not be responsible for any damage to the client site or any other data or information that may be lost or damaged as a result of the analyses requested.

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

York Project No. 13I0970

Page 20 of 21

Field Chain-of-Custody Record

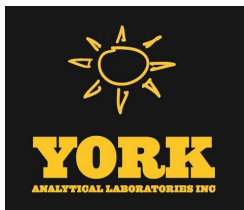
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

Page 1 of 1

York Project No. 1310971

YOUR INFORMATION		Report To:		Invoice To:		YOUR PROJECT ID		Turn-Around Time		Report Type	
Company	LBG	Company	Same	Company	Same	APW Industries		☐ RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day		Summary Report ☒ pdf Summary w/ QA Summary ☒ pdf CT RCP Package CTRCP DQADUE Pkg NY ASP A Package NY ASP B Package NP2-10 only pdf NJDEP Red. Deliv. Electronic Data Deliverables (EDDL)	
Address	4 Research Dr Suite 301 Shelton, CT 06484	Address		Address		Purchase Order No. HAB5AG		☐ Standard (5-7 Days) ☒ X		Simple Excel ☒ X	
Phone No.	203-929-8555	Phone No.		Phone No.						EQUIS (std)	
Contact Person	Tunde Sandor	Attention:		Attention:						EZ-EDD (EQUIS)	
E-Mail Address	TSandor@LBGCT.com	E-Mail Address		E-Mail Address						NJDEP SRP HazSite 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		Volatiles		Semi-Volatiles		Full Lists		Misc.	
		S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor	8260 full 624 STARS list BTX MTBE TCE list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	TICs Site Spec Nassau Co. Suffolk Co. Ketones Oxygenates TCEP list 524.2 502.2 NJDEP list SHP or TCLP 8021B list	RCRA8 PP13 list TAL CT 15 list TAGM list NJDEP list Dissolved SHP or TCLP Inerts/Metals LIST Below 608 Pest SHP or TCLP	TPH CRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Hydrocarbon TAGM Silica	Cerosivity Reactivity Ignitability Flash Point Sieve Anal. Hazenopsis TOX BTUlb. Aquatic Tox. TOC NYSDDEC Adbestos Silica				
Samples Collected/Authorized By (Signature)  STEPHEN HNAT Name (printed)		Choose Analyses Needed from the Menu Above and Enter Below Fe by EPA 200.7 Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs, P260 List (EPA SW 845-8260b) plus from 113 Fe by EPA 200.7 Fe, Dissolved by EPA 6010 (SW 846-6010) / VOCs P260 List (EPA SW 845-8260b) plus from 113 / TDS (SH 2540 c)									
Sample Identification		Date Sampled	Sample Matrix	3V 2P 3V 2P 3V 3P							
WQ092413: 1300 NP2-6		7/24/13 1300	GW								
WQ092413: 1305 NP2-7		1305	GW								
WQ092413: 1310 NP2-10		1310	GW								
Comments		4°C _____ Frozen _____ HCl _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐									
Samples Relinquished By  Date/Time 7/26/13 1300 Samples Received By  Date/Time 7/26/13 1300 Samples Relinquished By _____ Date/Time _____ Samples Received in Lab by _____ Date/Time _____		Temperature on Receipt 39 °C									

APPENDIX II
SEPTEMBER 2013 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Mark Goldberg

Report Date: 09/17/2013

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

York Project (SDG) No.: 13I0536

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/17/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13I0536

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
Shelton CT, 06484
Attention: Mark Goldberg

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 September 13, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13I0536-01	GWQ091213:1021NP1-2-1	Water	09/12/2013	09/13/2013
13I0536-02	GWQ091213:1120NP1-2-2	Water	09/12/2013	09/13/2013
13I0536-03	GWQ091213:1103NP1-2-3	Water	09/12/2013	09/13/2013
13I0536-04	GWQ091213:1125NP1-2-4	Water	09/12/2013	09/13/2013
13I0536-05	GWQ091213:949NP1-2-5	Water	09/12/2013	09/13/2013
13I0536-06	GWQ091213:1135NP1-2-6	Water	09/12/2013	09/13/2013
13I0536-07	GWQ091213:1145NP1-2-7	Water	09/12/2013	09/13/2013
13I0536-08	GWQ091213:912NP1-2-8	Water	09/12/2013	09/13/2013
13I0536-09	GWQ091213:835NP1-2-9	Water	09/12/2013	09/13/2013

General Notes for York Project (SDG) No.: 13I0536

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: 09/17/2013

YORK



Sample Information

Client Sample ID: GWQ091213:1021NP1-2-1

York Sample ID: 1310536-01

York Project (SDG) No.

1310536

Client Project ID

O&M Sag Harbor (Rowe Industries Site)

Matrix

Water

Collection Date/Time

September 12, 2013 10:21 am

Date Received

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK



Sample Information

Client Sample ID: GWQ091213:1021NP1-2-1

York Sample ID: 1310536-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 10:21 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
67-66-3	Chloroform	0.92		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/16/2013 23:43	BK



Sample Information

Client Sample ID: GWQ091213:1021NP1-2-1

York Sample ID: 1310536-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 10:21 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %				79-133					
460-00-4	Surrogate: p-Bromofluorobenzene	119 %				65-133					
2037-26-5	Surrogate: Toluene-d8	98.9 %				80-123					

Sample Information

Client Sample ID: GWQ091213:1120NP1-2-2

York Sample ID: 1310536-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:20 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK



Sample Information

Client Sample ID: GWQ091213:1120NP1-2-2

York Sample ID: 1310536-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:20 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
67-64-1	Acetone	1.4	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
156-59-2	cis-1,2-Dichloroethylene	2.1		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK



Sample Information

Client Sample ID: GWQ091213:1120NP1-2-2

York Sample ID: 1310536-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:20 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
127-18-4	Tetrachloroethylene	2.0		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
79-01-6	Trichloroethylene	1.0		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:24	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	123 %	65-133								
2037-26-5	Surrogate: Toluene-d8	97.8 %	80-123								

Sample Information

Client Sample ID: GWQ091213:1103NP1-2-3

York Sample ID: 1310536-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:03 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK



Sample Information

Client Sample ID: GWQ091213:1103NP1-2-3

York Sample ID: 1310536-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:03 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK



Sample Information

Client Sample ID: GWQ091213:1103NP1-2-3

York Sample ID: 1310536-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:03 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 00:59	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	122 %	65-133								
2037-26-5	Surrogate: Toluene-d8	98.0 %	80-123								

Sample Information

Client Sample ID: GWQ091213:1125NP1-2-4

York Sample ID: 1310536-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:25 am

09/13/2013



Sample Information

Client Sample ID: GWQ091213:1125NP1-2-4

York Sample ID: 1310536-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:25 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
67-64-1	Acetone	1.2	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK



Sample Information

Client Sample ID: GWQ091213:1125NP1-2-4

York Sample ID: 1310536-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:25 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
127-18-4	Tetrachloroethylene	1.4		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
79-01-6	Trichloroethylene	0.25	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 01:35	BK



Sample Information

Client Sample ID: GWQ091213:1125NP1-2-4

York Sample ID: 1310536-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:25 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			79	133					
460-00-4	Surrogate: p-Bromofluorobenzene	119 %			65	133					
2037-26-5	Surrogate: Toluene-d8	99.4 %			80	123					

Sample Information

Client Sample ID: GWQ091213:949NP1-2-5

York Sample ID: 1310536-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 9:45 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK



Sample Information

Client Sample ID: GWQ091213:949NP1-2-5

York Sample ID: 1310536-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 9:45 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
67-64-1	Acetone	1.7	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
67-66-3	Chloroform	0.89		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK



Sample Information

Client Sample ID: GWQ091213:949NP1-2-5

York Sample ID: 1310536-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 9:45 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:17	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	124 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	65-133								
2037-26-5	Surrogate: Toluene-d8	98.1 %	80-123								

Sample Information

Client Sample ID: GWQ091213:1135NP1-2-6

York Sample ID: 1310536-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:35 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
71-55-6	1,1,1-Trichloroethane	0.89		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
75-34-3	1,1-Dichloroethane	0.51		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK



Sample Information

Client Sample ID: GWQ091213:1135NP1-2-6

York Sample ID: 1310536-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:35 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
67-64-1	Acetone	1.1	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
67-66-3	Chloroform	0.22	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK



Sample Information

Client Sample ID: GWQ091213:1135NP1-2-6

York Sample ID: 1310536-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:35 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
127-18-4	Tetrachloroethylene	1.9		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 02:53	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	125 %	65-133								
2037-26-5	Surrogate: Toluene-d8	100 %	80-123								

Sample Information

Client Sample ID: GWQ091213:1145NP1-2-7

York Sample ID: 1310536-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:45 am

09/13/2013



Sample Information

Client Sample ID: GWQ091213:1145NP1-2-7

York Sample ID: 1310536-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:45 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
67-64-1	Acetone	1.2	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK



Sample Information

Client Sample ID: GWQ091213:1145NP1-2-7

York Sample ID: 1310536-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:45 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
127-18-4	Tetrachloroethylene	1.1		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 03:31	BK



Sample Information

Client Sample ID: GWQ091213:1145NP1-2-7

York Sample ID: 1310536-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 11:45 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	118 %				79-133					
460-00-4	Surrogate: p-Bromofluorobenzene	115 %				65-133					
2037-26-5	Surrogate: Toluene-d8	99.7 %				80-123					

Sample Information

Client Sample ID: GWQ091213:912NP1-2-8

York Sample ID: 1310536-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 9:12 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK



Sample Information

Client Sample ID: GWQ091213:912NP1-2-8

York Sample ID: 1310536-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 9:12 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
67-64-1	Acetone	1.0	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK



Sample Information

Client Sample ID: GWQ091213:912NP1-2-8

York Sample ID: 1310536-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 9:12 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:07	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	65-133								
2037-26-5	Surrogate: Toluene-d8	101 %	80-123								

Sample Information

Client Sample ID: GWQ091213:835NP1-2-9

York Sample ID: 1310536-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 8:35 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK



Sample Information

Client Sample ID: GWQ091213:835NP1-2-9

York Sample ID: 1310536-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 8:35 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
67-64-1	Acetone	1.5	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK



Sample Information

Client Sample ID: GWQ091213:835NP1-2-9

York Sample ID: 1310536-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310536

O&M Sag Harbor (Rowe Industries Site)

Water

September 12, 2013 8:35 am

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 12:26	09/17/2013 04:45	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	125 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	65-133								
2037-26-5	Surrogate: Toluene-d8	99.5 %	80-123								



Analytical Batch Summary

Batch ID: BI30664

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0536-01	GWQ091213:1021NP1-2-1	09/16/13
13I0536-02	GWQ091213:1120NP1-2-2	09/16/13
13I0536-03	GWQ091213:1103NP1-2-3	09/16/13
13I0536-04	GWQ091213:1125NP1-2-4	09/16/13
13I0536-05	GWQ091213:949NP1-2-5	09/16/13
13I0536-06	GWQ091213:1135NP1-2-6	09/16/13
13I0536-07	GWQ091213:1145NP1-2-7	09/16/13
13I0536-08	GWQ091213:912NP1-2-8	09/16/13
13I0536-09	GWQ091213:835NP1-2-9	09/16/13
BI30664-BLK1	Blank	09/16/13
BI30664-BS1	LCS	09/16/13
BI30664-BSD1	LCS Dup	09/16/13



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 BI30664 - EPA 5030B

Blank (BI30664-BLK1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.5	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30664 - EPA 5030B

Blank (BI30664-BLK1)

Prepared & Analyzed: 09/16/2013

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

79-133

Surrogate: p-Bromofluorobenzene

11.8

"

10.0

118

65-133

Surrogate: Toluene-d8

9.85

"

10.0

98.5

80-123

LCS (BI30664-BS1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	9.51		ug/L	10.0		95.1	84-127
1,1,1-Trichloroethane	10.2		"	10.0		102	80-131
1,1,2,2-Tetrachloroethane	9.29		"	10.0		92.9	76-120
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-133
1,1,2-Trichloroethane	9.13		"	10.0		91.3	73-124
1,1-Dichloroethane	9.74		"	10.0		97.4	79-123
1,1-Dichloroethylene	9.93		"	10.0		99.3	71-123
1,1-Dichloropropylene	9.63		"	10.0		96.3	73-117
1,2,3-Trichlorobenzene	9.80		"	10.0		98.0	78-117
1,2,3-Trichloropropane	8.61		"	10.0		86.1	68-119
1,2,4-Trichlorobenzene	9.54		"	10.0		95.4	78-117
1,2,4-Trimethylbenzene	9.31		"	10.0		93.1	68-134
1,2-Dibromo-3-chloropropane	9.14		"	10.0		91.4	73-129
1,2-Dibromoethane	9.15		"	10.0		91.5	73-139
1,2-Dichlorobenzene	9.82		"	10.0		98.2	83-110
1,2-Dichloroethane	9.72		"	10.0		97.2	81-120
1,2-Dichloropropane	9.57		"	10.0		95.7	76-120
1,3,5-Trimethylbenzene	9.26		"	10.0		92.6	74-121
1,3-Dichlorobenzene	9.61		"	10.0		96.1	82-112
1,3-Dichloropropane	9.14		"	10.0		91.4	77-122
1,4-Dichlorobenzene	9.60		"	10.0		96.0	83-110
2,2-Dichloropropane	9.00		"	10.0		90.0	50-163
2-Chlorotoluene	9.49		"	10.0		94.9	74-115
2-Hexanone	8.01		"	10.0		80.1	65-130
4-Chlorotoluene	9.58		"	10.0		95.8	77-119
Acetone	9.03		"	10.0		90.3	54-129
Benzene	9.95		"	10.0		99.5	77-122
Bromobenzene	9.32		"	10.0		93.2	76-114
Bromochloromethane	9.25		"	10.0		92.5	73-125
Bromodichloromethane	9.66		"	10.0		96.6	83-120
Bromoform	9.47		"	10.0		94.7	72-139
Bromomethane	11.8		"	10.0		118	52-128
Carbon tetrachloride	10.8		"	10.0		108	66-152
Chlorobenzene	9.81		"	10.0		98.1	85-113



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 BI30664 - EPA 5030B

LCS (BI30664-BS1)

Prepared & Analyzed: 09/16/2013

Chloroethane	9.83		ug/L	10.0		98.3	60-124				
Chloroform	9.81		"	10.0		98.1	82-119				
Chloromethane	8.60		"	10.0		86.0	42-126				
cis-1,2-Dichloroethylene	9.59		"	10.0		95.9	79-116				
cis-1,3-Dichloropropylene	9.68		"	10.0		96.8	85-134				
Dibromochloromethane	9.79		"	10.0		97.9	74-151				
Dibromomethane	9.11		"	10.0		91.1	74-128				
Dichlorodifluoromethane	9.90		"	10.0		99.0	10-146				
Ethyl Benzene	10.2		"	10.0		102	85-125				
Hexachlorobutadiene	9.97		"	10.0		99.7	69-131				
Isopropylbenzene	9.77		"	10.0		97.7	71-128				
Methyl tert-butyl ether (MTBE)	9.47		"	10.0		94.7	51-134				
Methylene chloride	9.04		"	10.0		90.4	76-122				
Naphthalene	9.40		"	10.0		94.0	72-127				
n-Butylbenzene	9.67		"	10.0		96.7	69-127				
n-Propylbenzene	9.79		"	10.0		97.9	70-129				
o-Xylene	9.78		"	10.0		97.8	83-117				
p- & m- Xylenes	19.5		"	20.0		97.7	80-126				
p-Isopropyltoluene	10.1		"	10.0		101	74-130				
sec-Butylbenzene	10.1		"	10.0		101	72-132				
Styrene	10.6		"	10.0		106	62-160				
tert-Butylbenzene	10.2		"	10.0		102	75-129				
Tetrachloroethylene	9.71		"	10.0		97.1	67-118				
Toluene	9.91		"	10.0		99.1	82-118				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	76-119				
trans-1,3-Dichloropropylene	9.47		"	10.0		94.7	80-137				
Trichloroethylene	9.55		"	10.0		95.5	71-122				
Trichlorofluoromethane	10.1		"	10.0		101	67-130				
Vinyl Chloride	9.95		"	10.0		99.5	49-125				
Surrogate: 1,2-Dichloroethane-d4	9.39		"	10.0		93.9	79-133				
Surrogate: p-Bromofluorobenzene	9.93		"	10.0		99.3	65-133				
Surrogate: Toluene-d8	9.73		"	10.0		97.3	80-123				



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 BI30664 - EPA 5030B											
LCS Dup (BI30664-BSD1)						Prepared & Analyzed: 09/16/2013					
1,1,1,2-Tetrachloroethane	9.68		ug/L	10.0		96.8	84-127		1.77	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	80-131		1.17	30	
1,1,2,2-Tetrachloroethane	9.85		"	10.0		98.5	76-120		5.85	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	70-133		0.276	30	
1,1,2-Trichloroethane	9.64		"	10.0		96.4	73-124		5.43	30	
1,1-Dichloroethane	9.70		"	10.0		97.0	79-123		0.412	30	
1,1-Dichloroethylene	9.93		"	10.0		99.3	71-123		0.00	30	
1,1-Dichloropropylene	9.56		"	10.0		95.6	73-117		0.730	30	
1,2,3-Trichlorobenzene	10.3		"	10.0		103	78-117		5.27	30	
1,2,3-Trichloropropane	9.65		"	10.0		96.5	68-119		11.4	30	
1,2,4-Trichlorobenzene	9.79		"	10.0		97.9	78-117		2.59	30	
1,2,4-Trimethylbenzene	9.35		"	10.0		93.5	68-134		0.429	30	
1,2-Dibromo-3-chloropropane	9.86		"	10.0		98.6	73-129		7.58	30	
1,2-Dibromoethane	9.56		"	10.0		95.6	73-139		4.38	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	83-110		2.02	30	
1,2-Dichloroethane	10.0		"	10.0		100	81-120		3.04	30	
1,2-Dichloropropane	9.71		"	10.0		97.1	76-120		1.45	30	
1,3,5-Trimethylbenzene	9.24		"	10.0		92.4	74-121		0.216	30	
1,3-Dichlorobenzene	9.66		"	10.0		96.6	82-112		0.519	30	
1,3-Dichloropropane	9.48		"	10.0		94.8	77-122		3.65	30	
1,4-Dichlorobenzene	9.97		"	10.0		99.7	83-110		3.78	30	
2,2-Dichloropropane	8.94		"	10.0		89.4	50-163		0.669	30	
2-Chlorotoluene	9.39		"	10.0		93.9	74-115		1.06	30	
2-Hexanone	8.87		"	10.0		88.7	65-130		10.2	30	
4-Chlorotoluene	9.67		"	10.0		96.7	77-119		0.935	30	
Acetone	9.72		"	10.0		97.2	54-129		7.36	30	
Benzene	9.94		"	10.0		99.4	77-122		0.101	30	
Bromobenzene	9.70		"	10.0		97.0	76-114		4.00	30	
Bromochloromethane	9.28		"	10.0		92.8	73-125		0.324	30	
Bromodichloromethane	9.86		"	10.0		98.6	83-120		2.05	30	
Bromoform	10.2		"	10.0		102	72-139		6.93	30	
Bromomethane	11.2		"	10.0		112	52-128		4.44	30	
Carbon tetrachloride	10.6		"	10.0		106	66-152		1.86	30	
Chlorobenzene	9.95		"	10.0		99.5	85-113		1.42	30	
Chloroethane	9.61		"	10.0		96.1	60-124		2.26	30	
Chloroform	9.85		"	10.0		98.5	82-119		0.407	30	
Chloromethane	8.52		"	10.0		85.2	42-126		0.935	30	
cis-1,2-Dichloroethylene	9.77		"	10.0		97.7	79-116		1.86	30	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	85-134		3.35	30	
Dibromochloromethane	10.1		"	10.0		101	74-151		2.72	30	
Dibromomethane	9.55		"	10.0		95.5	74-128		4.72	30	
Dichlorodifluoromethane	9.91		"	10.0		99.1	10-146		0.101	30	
Ethyl Benzene	10.2		"	10.0		102	85-125		0.392	30	
Hexachlorobutadiene	10.1		"	10.0		101	69-131		1.30	30	
Isopropylbenzene	9.90		"	10.0		99.0	71-128		1.32	30	
Methyl tert-butyl ether (MTBE)	9.86		"	10.0		98.6	51-134		4.04	30	
Methylene chloride	9.05		"	10.0		90.5	76-122		0.111	30	
Naphthalene	10.0		"	10.0		100	72-127		6.68	30	
n-Butylbenzene	9.78		"	10.0		97.8	69-127		1.13	30	
n-Propylbenzene	9.98		"	10.0		99.8	70-129		1.92	30	
o-Xylene	9.66		"	10.0		96.6	83-117		1.23	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30664 - EPA 5030B

LCS Dup (BI30664-BSD1)

Prepared & Analyzed: 09/16/2013

p- & m- Xylenes	19.4		ug/L	20.0		97.2	80-126		0.462	30
p-Isopropyltoluene	10.1		"	10.0		101	74-130		0.0989	30
sec-Butylbenzene	10.2		"	10.0		102	72-132		0.493	30
Styrene	10.6		"	10.0		106	62-160		0.284	30
tert-Butylbenzene	10.3		"	10.0		103	75-129		1.37	30
Tetrachloroethylene	9.62		"	10.0		96.2	67-118		0.931	30
Toluene	9.99		"	10.0		99.9	82-118		0.804	30
trans-1,2-Dichloroethylene	9.81		"	10.0		98.1	76-119		2.02	30
trans-1,3-Dichloropropylene	9.61		"	10.0		96.1	80-137		1.47	30
Trichloroethylene	9.62		"	10.0		96.2	71-122		0.730	30
Trichlorofluoromethane	9.86		"	10.0		98.6	67-130		2.31	30
Vinyl Chloride	9.87		"	10.0		98.7	49-125		0.807	30
Surrogate: 1,2-Dichloroethane-d4	9.60		"	10.0		96.0	79-133			
Surrogate: p-Bromofluorobenzene	9.95		"	10.0		99.5	65-133			
Surrogate: Toluene-d8	9.76		"	10.0		97.6	80-123			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0536-01	GWQ091213:1021NP1-2-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0536-02	GWQ091213:1120NP1-2-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0536-03	GWQ091213:1103NP1-2-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0536-04	GWQ091213:1125NP1-2-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0536-05	GWQ091213:949NP1-2-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0536-06	GWQ091213:1135NP1-2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0536-07	GWQ091213:1145NP1-2-7	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0536-08	GWQ091213:912NP1-2-8	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0536-09	GWQ091213:835NP1-2-9	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

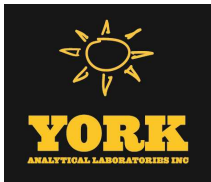
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL being "J" flagged as estimated results.

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

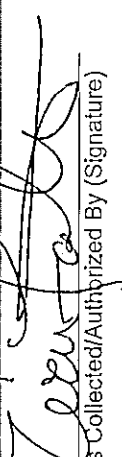
Field Chain-of-Custody Record

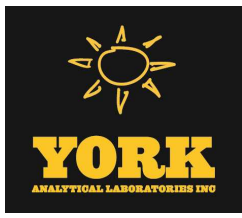
Page 1 of

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 1310536

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type/Deliverables			
Company: LBG	Company: same	Company: same	Company: same	Company: same	Company: same	Company: same	Company: same	Company: same	Company: same	Company: same	Company: same		
Address: 48 Research Dr, Suite 303	Address: same	Address: same	Address: same	Address: same	Address: same	Address: same	Address: same	Address: same	Address: same	Address: same	Address: same		
Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484	Shelton, CT 06484		
Phone No. 203-929-8555	Phone No. same	Phone No. same	Phone No. same	Phone No. same	Phone No. same	Phone No. same	Phone No. same	Phone No. same	Phone No. same	Phone No. same	Phone No. same		
Contact Person: Tunde Sandor	Contact Person: same	Contact Person: same	Contact Person: same	Contact Person: same	Contact Person: same	Contact Person: same	Contact Person: same	Contact Person: same	Contact Person: same	Contact Person: same	Contact Person: same		
E-Mail Address: Tsandore@bgc.com	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same	E-Mail Address: same		
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.) WV - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor  Samples Collected/Authorized By (Signature) Evan Foster Name (printed)													
Sample Identification		Date Sampled		Sample Matrix		Choose Analyses Needed from the Menu Above and Enter Below						Container Description(s)	
GW0091213:1021NPI-2-1		9-12-13		GW		VOL 8260 full list (EPASW846-8260B) plus from 113						340mL UCL, HCL	
GW0091213:1102NPI-2-2		9-12-13											
GW0091213:1103NPI-2-3		9-12-13											
GW0091213:1105NPI-2-4		9-12-13											
GW0091213:1145NPI-2-5		9-12-13											
GW0091213:1145NPI-2-6		9-12-13											
GW0091213:1145NPI-2-7		9-12-13											
GW0091213:1145NPI-2-8		9-12-13											
GW0091213:1145NPI-2-9		9-12-13											
Comments		Preservation Check those Applicable		4°C _____ Frozen _____ HCl _____ MeOH _____ HNO ₃ _____ H ₂ SO ₄ _____ NaOH _____ Other _____								Temperature on Receipt 4.1 °C	



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 09/18/2013

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

York Project (SDG) No.: 13I0535

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/18/2013
Client Project ID: O&M Sag Harbor (Rowe Industries Site)
York Project (SDG) No.: 13I0535

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
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 September 13, 2013 and listed below. The project was identified as your project: **O&M Sag Harbor (Rowe Industries Site)**.

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

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
13I0535-01	WQ091113:1430 FRW-1	Water	09/11/2013	09/13/2013
13I0535-02	WQ091113:1435 FRW-2	Water	09/11/2013	09/13/2013
13I0535-03	WQ091113:1440 FRW-3	Water	09/11/2013	09/13/2013
13I0535-04	WQ091113:1445 FRW-4	Water	09/11/2013	09/13/2013

General Notes for York Project (SDG) No.: 13I0535

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: 09/18/2013

YORK



Sample Information

Client Sample ID: WQ091113:1430 FRW-1

York Sample ID: 1310535-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:30 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
71-55-6	1,1,1-Trichloroethane	0.58		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
67-64-1	Acetone	1.4	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK



Sample Information

Client Sample ID: WQ091113:1430 FRW-1

York Sample ID: 1310535-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:30 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
156-59-2	cis-1,2-Dichloroethylene	110		ug/L	1.0	2.5	5	EPA SW846-8260B	09/16/2013 08:14	09/17/2013 12:31	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
127-18-4	Tetrachloroethylene	42		ug/L	1.0	2.5	5	EPA SW846-8260B	09/16/2013 08:14	09/17/2013 12:31	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
79-01-6	Trichloroethylene	4.1		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
75-01-4	Vinyl Chloride	0.73		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 16:44	BK



Sample Information

Client Sample ID: WQ091113:1430 FRW-1

York Sample ID: 1310535-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:30 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %				79-133					
460-00-4	Surrogate: p-Bromofluorobenzene	115 %				65-133					
2037-26-5	Surrogate: Toluene-d8	101 %				80-123					

Sample Information

Client Sample ID: WQ091113:1435 FRW-2

York Sample ID: 1310535-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:35 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
71-55-6	1,1,1-Trichloroethane	0.47	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-34-3	1,1-Dichloroethane	0.23	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-35-4	1,1-Dichloroethylene	0.20	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK



Sample Information

Client Sample ID: WQ091113:1435 FRW-2

York Sample ID: 1310535-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:35 pm

09/13/2013

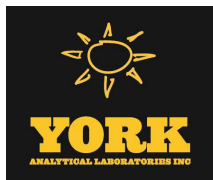
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
67-64-1	Acetone	14	B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
156-59-2	cis-1,2-Dichloroethylene	160		ug/L	2.0	5.0	10	EPA SW846-8260B	09/16/2013 08:14	09/17/2013 10:32	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK



Sample Information

Client Sample ID: WQ091113:1435 FRW-2

York Sample ID: 1310535-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:35 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
127-18-4	Tetrachloroethylene	20		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
79-01-6	Trichloroethylene	2.2		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
75-01-4	Vinyl Chloride	5.0		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:20	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	114 %	65-133								
2037-26-5	Surrogate: Toluene-d8	101 %	80-123								

Sample Information

Client Sample ID: WQ091113:1440 FRW-3

York Sample ID: 1310535-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:40 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
71-55-6	1,1,1-Trichloroethane	0.23	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-34-3	1,1-Dichloroethane	0.30	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK



Sample Information

Client Sample ID: WQ091113:1440 FRW-3

York Sample ID: 1310535-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:40 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
67-64-1	Acetone	1.7	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
156-59-2	cis-1,2-Dichloroethylene	21		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK



Sample Information

Client Sample ID: WQ091113:1440 FRW-3

York Sample ID: 1310535-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:40 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
98-82-8	Isopropylbenzene	0.90		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
103-65-1	n-Propylbenzene	0.75		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
127-18-4	Tetrachloroethylene	27		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
79-01-6	Trichloroethylene	3.1		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
75-01-4	Vinyl Chloride	2.5		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 17:56	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	119 %	65-133								
2037-26-5	Surrogate: Toluene-d8	106 %	80-123								

Sample Information

Client Sample ID: WQ091113:1445 FRW-4

York Sample ID: 1310535-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:45 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: WQ091113:1445 FRW-4

York Sample ID: 1310535-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1310535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:45 pm

09/13/2013

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	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 SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
71-55-6	1,1,1-Trichloroethane	0.34	J	ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
67-64-1	Acetone	1.9	J, B	ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK



Sample Information

Client Sample ID: WQ091113:1445 FRW-4

York Sample ID: 13I0535-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13I0535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:45 pm

09/13/2013

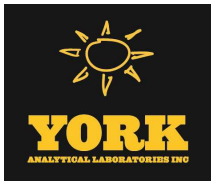
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
156-59-2	cis-1,2-Dichloroethylene	4.1		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
127-18-4	Tetrachloroethylene	19		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
79-01-6	Trichloroethylene	2.7		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA SW846-8260B	09/16/2013 08:14	09/16/2013 18:37	BK
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	79-133								
460-00-4	Surrogate: p-Bromofluorobenzene	120 %	65-133								



Sample Information

Client Sample ID: WQ091113:1445 FRW-4

York Sample ID: 13I0535-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

13I0535

O&M Sag Harbor (Rowe Industries Site)

Water

September 11, 2013 2:45 pm

09/13/2013

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2037-26-5	Surrogate: Toluene-d8	105 %			80-123						



Analytical Batch Summary

Batch ID: BI30652

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0535-01	WQ091113:1430 FRW-1	09/16/13
13I0535-02	WQ091113:1435 FRW-2	09/16/13
13I0535-03	WQ091113:1440 FRW-3	09/16/13
13I0535-04	WQ091113:1445 FRW-4	09/16/13
BI30652-BLK1	Blank	09/16/13
BI30652-BS1	LCS	09/16/13
BI30652-BSD1	LCS Dup	09/16/13

Batch ID: BI30702

Preparation Method: EPA 5030B

Prepared By: EKM

YORK Sample ID	Client Sample ID	Preparation Date
13I0535-01RE1	WQ091113:1430 FRW-1	09/17/13
13I0535-02RE1	WQ091113:1435 FRW-2	09/17/13
BI30702-BLK1	Blank	09/17/13
BI30702-BS1	LCS	09/17/13
BI30702-BSD1	LCS Dup	09/17/13



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 BI30652 - EPA 5030B

Blank (BI30652-BLK1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.0	2.0	"
Benzene	ND	0.50	"
Bromobenzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dibromomethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Hexachlorobutadiene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methylene chloride	ND	2.0	"
Naphthalene	ND	2.0	"
n-Butylbenzene	ND	0.50	"
n-Propylbenzene	ND	0.50	"
o-Xylene	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI30652 - EPA 5030B

Blank (BI30652-BLK1)

Prepared & Analyzed: 09/16/2013

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

Surrogate: 1,2-Dichloroethane-d4	9.95	"	10.0	99.5	79-133
Surrogate: p-Bromofluorobenzene	11.3	"	10.0	113	65-133
Surrogate: Toluene-d8	9.91	"	10.0	99.1	80-123

LCS (BI30652-BS1)

Prepared & Analyzed: 09/16/2013

1,1,1,2-Tetrachloroethane	10.3	ug/L	10.0	103	84-127
1,1,1-Trichloroethane	9.33	"	10.0	93.3	80-131
1,1,2,2-Tetrachloroethane	10.8	"	10.0	108	76-120
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.32	"	10.0	93.2	70-133
1,1,2-Trichloroethane	9.92	"	10.0	99.2	73-124
1,1-Dichloroethane	8.87	"	10.0	88.7	79-123
1,1-Dichloroethylene	8.54	"	10.0	85.4	71-123
1,1-Dichloropropylene	8.87	"	10.0	88.7	73-117
1,2,3-Trichlorobenzene	9.23	"	10.0	92.3	78-117
1,2,3-Trichloropropane	10.5	"	10.0	105	68-119
1,2,4-Trichlorobenzene	9.02	"	10.0	90.2	78-117
1,2,4-Trimethylbenzene	9.86	"	10.0	98.6	68-134
1,2-Dibromo-3-chloropropane	10.6	"	10.0	106	73-129
1,2-Dibromoethane	10.2	"	10.0	102	73-139
1,2-Dichlorobenzene	10.3	"	10.0	103	83-110
1,2-Dichloroethane	9.26	"	10.0	92.6	81-120
1,2-Dichloropropane	9.83	"	10.0	98.3	76-120
1,3,5-Trimethylbenzene	8.93	"	10.0	89.3	74-121
1,3-Dichlorobenzene	10.2	"	10.0	102	82-112
1,3-Dichloropropane	9.91	"	10.0	99.1	77-122
1,4-Dichlorobenzene	10.4	"	10.0	104	83-110
2,2-Dichloropropane	9.85	"	10.0	98.5	50-163
2-Chlorotoluene	9.62	"	10.0	96.2	74-115
2-Hexanone	9.78	"	10.0	97.8	65-130
4-Chlorotoluene	9.87	"	10.0	98.7	77-119
Acetone	9.69	"	10.0	96.9	54-129
Benzene	9.31	"	10.0	93.1	77-122
Bromobenzene	10.3	"	10.0	103	76-114
Bromochloromethane	8.99	"	10.0	89.9	73-125
Bromodichloromethane	10.0	"	10.0	100	83-120
Bromoform	11.4	"	10.0	114	72-139
Bromomethane	10.1	"	10.0	101	52-128
Carbon tetrachloride	9.73	"	10.0	97.3	66-152
Chlorobenzene	9.99	"	10.0	99.9	85-113



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 BI30652 - EPA 5030B

LCS (BI30652-BS1)

Prepared & Analyzed: 09/16/2013

Chloroethane	8.18		ug/L	10.0		81.8	60-124				
Chloroform	9.16		"	10.0		91.6	82-119				
Chloromethane	6.03		"	10.0		60.3	42-126				
cis-1,2-Dichloroethylene	8.95		"	10.0		89.5	79-116				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134				
Dibromochloromethane	11.1		"	10.0		111	74-151				
Dibromomethane	9.96		"	10.0		99.6	74-128				
Dichlorodifluoromethane	5.34		"	10.0		53.4	10-146				
Ethyl Benzene	10.0		"	10.0		100	85-125				
Hexachlorobutadiene	10.3		"	10.0		103	69-131				
Isopropylbenzene	10.0		"	10.0		100	71-128				
Methyl tert-butyl ether (MTBE)	9.53		"	10.0		95.3	51-134				
Methylene chloride	8.03		"	10.0		80.3	76-122				
Naphthalene	7.42		"	10.0		74.2	72-127				
n-Butylbenzene	9.53		"	10.0		95.3	69-127				
n-Propylbenzene	9.97		"	10.0		99.7	70-129				
o-Xylene	9.66		"	10.0		96.6	83-117				
p- & m- Xylenes	19.0		"	20.0		95.2	80-126				
p-Isopropyltoluene	10.5		"	10.0		105	74-130				
sec-Butylbenzene	10.3		"	10.0		103	72-132				
Styrene	11.0		"	10.0		110	62-160				
tert-Butylbenzene	10.7		"	10.0		107	75-129				
Tetrachloroethylene	9.95		"	10.0		99.5	67-118				
Toluene	9.90		"	10.0		99.0	82-118				
trans-1,2-Dichloroethylene	8.76		"	10.0		87.6	76-119				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	80-137				
Trichloroethylene	9.53		"	10.0		95.3	71-122				
Trichlorofluoromethane	8.40		"	10.0		84.0	67-130				
Vinyl Chloride	7.54		"	10.0		75.4	49-125				
Surrogate: 1,2-Dichloroethane-d4	8.98		"	10.0		89.8	79-133				
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	65-133				
Surrogate: Toluene-d8	9.55		"	10.0		95.5	80-123				



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 BI30652 - EPA 5030B											
LCS Dup (BI30652-BSD1)						Prepared & Analyzed: 09/16/2013					
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	84-127		0.878	30	
1,1,1-Trichloroethane	9.22		"	10.0		92.2	80-131		1.19	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-120		1.87	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.09		"	10.0		90.9	70-133		2.50	30	
1,1,2-Trichloroethane	9.95		"	10.0		99.5	73-124		0.302	30	
1,1-Dichloroethane	8.75		"	10.0		87.5	79-123		1.36	30	
1,1-Dichloroethylene	8.36		"	10.0		83.6	71-123		2.13	30	
1,1-Dichloropropylene	8.72		"	10.0		87.2	73-117		1.71	30	
1,2,3-Trichlorobenzene	9.37		"	10.0		93.7	78-117		1.51	30	
1,2,3-Trichloropropane	10.4		"	10.0		104	68-119		0.768	30	
1,2,4-Trichlorobenzene	8.95		"	10.0		89.5	78-117		0.779	30	
1,2,4-Trimethylbenzene	9.44		"	10.0		94.4	68-134		4.35	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	73-129		2.28	30	
1,2-Dibromoethane	10.3		"	10.0		103	73-139		0.488	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	83-110		1.27	30	
1,2-Dichloroethane	9.25		"	10.0		92.5	81-120		0.108	30	
1,2-Dichloropropane	10.0		"	10.0		100	76-120		2.21	30	
1,3,5-Trimethylbenzene	9.02		"	10.0		90.2	74-121		1.00	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	82-112		0.393	30	
1,3-Dichloropropane	9.95		"	10.0		99.5	77-122		0.403	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	83-110		1.65	30	
2,2-Dichloropropane	9.58		"	10.0		95.8	50-163		2.78	30	
2-Chlorotoluene	9.46		"	10.0		94.6	74-115		1.68	30	
2-Hexanone	9.28		"	10.0		92.8	65-130		5.25	30	
4-Chlorotoluene	9.72		"	10.0		97.2	77-119		1.53	30	
Acetone	8.44		"	10.0		84.4	54-129		13.8	30	
Benzene	9.20		"	10.0		92.0	77-122		1.19	30	
Bromobenzene	10.2		"	10.0		102	76-114		1.07	30	
Bromochloromethane	8.93		"	10.0		89.3	73-125		0.670	30	
Bromodichloromethane	10.1		"	10.0		101	83-120		0.892	30	
Bromoform	11.4		"	10.0		114	72-139		0.175	30	
Bromomethane	9.98		"	10.0		99.8	52-128		1.49	30	
Carbon tetrachloride	9.50		"	10.0		95.0	66-152		2.39	30	
Chlorobenzene	10.0		"	10.0		100	85-113		0.300	30	
Chloroethane	8.04		"	10.0		80.4	60-124		1.73	30	
Chloroform	9.19		"	10.0		91.9	82-119		0.327	30	
Chloromethane	5.91		"	10.0		59.1	42-126		2.01	30	
cis-1,2-Dichloroethylene	8.84		"	10.0		88.4	79-116		1.24	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	85-134		0.734	30	
Dibromochloromethane	11.3		"	10.0		113	74-151		2.41	30	
Dibromomethane	9.89		"	10.0		98.9	74-128		0.705	30	
Dichlorodifluoromethane	5.41		"	10.0		54.1	10-146		1.30	30	
Ethyl Benzene	10.2		"	10.0		102	85-125		1.78	30	
Hexachlorobutadiene	10.2		"	10.0		102	69-131		1.08	30	
Isopropylbenzene	9.97		"	10.0		99.7	71-128		0.600	30	
Methyl tert-butyl ether (MTBE)	9.30		"	10.0		93.0	51-134		2.44	30	
Methylene chloride	7.96		"	10.0		79.6	76-122		0.876	30	
Naphthalene	7.39		"	10.0		73.9	72-127		0.405	30	
n-Butylbenzene	9.39		"	10.0		93.9	69-127		1.48	30	
n-Propylbenzene	9.84		"	10.0		98.4	70-129		1.31	30	
o-Xylene	9.72		"	10.0		97.2	83-117		0.619	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 BI30652 - EPA 5030B

LCS Dup (BI30652-BSD1)

Prepared & Analyzed: 09/16/2013

p- & m- Xylenes	19.0		ug/L	20.0		95.2	80-126		0.0525	30
p-Isopropyltoluene	10.2		"	10.0		102	74-130		3.68	30
sec-Butylbenzene	10.1		"	10.0		101	72-132		1.95	30
Styrene	10.5		"	10.0		105	62-160		4.47	30
tert-Butylbenzene	10.0		"	10.0		100	75-129		5.98	30
Tetrachloroethylene	9.92		"	10.0		99.2	67-118		0.302	30
Toluene	9.95		"	10.0		99.5	82-118		0.504	30
trans-1,2-Dichloroethylene	8.78		"	10.0		87.8	76-119		0.228	30
trans-1,3-Dichloropropylene	10.9		"	10.0		109	80-137		1.11	30
Trichloroethylene	9.71		"	10.0		97.1	71-122		1.87	30
Trichlorofluoromethane	8.29		"	10.0		82.9	67-130		1.32	30
Vinyl Chloride	7.47		"	10.0		74.7	49-125		0.933	30
Surrogate: 1,2-Dichloroethane-d4	9.09		"	10.0		90.9	79-133			
Surrogate: p-Bromofluorobenzene	9.91		"	10.0		99.1	65-133			
Surrogate: Toluene-d8	9.81		"	10.0		98.1	80-123			

Batch BI30702 - EPA 5030B

Blank (BI30702-BLK1)

Prepared & Analyzed: 09/17/2013

1,1,1,2-Tetrachloroethane	ND	0.50	ug/L
1,1,1-Trichloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,1-Dichloropropylene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,3-Trichloropropane	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,3-Dichloropropane	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2,2-Dichloropropane	ND	0.50	"
2-Chlorotoluene	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Chlorotoluene	ND	0.50	"
Acetone	1.6	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	"



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 BI30702 - EPA 5030B

Blank (BI30702-BLK1)

Prepared & Analyzed: 09/17/2013

Chlorobenzene	ND	0.50	ug/L								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	10.8		"	10.0		108	79-133				
Surrogate: p-Bromofluorobenzene	11.8		"	10.0		118	65-133				
Surrogate: Toluene-d8	10.2		"	10.0		102	80-123				



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 BI30702 - EPA 5030B											
LCS (BI30702-BS1)						Prepared & Analyzed: 09/17/2013					
1,1,1,2-Tetrachloroethane	9.38		ug/L	10.0		93.8	84-127				
1,1,1-Trichloroethane	11.0		"	10.0		110	80-131				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-120				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9		"	10.0		119	70-133				
1,1,2-Trichloroethane	10.0		"	10.0		100	73-124				
1,1-Dichloroethane	10.7		"	10.0		107	79-123				
1,1-Dichloroethylene	10.9		"	10.0		109	71-123				
1,1-Dichloropropylene	10.3		"	10.0		103	73-117				
1,2,3-Trichlorobenzene	10.1		"	10.0		101	78-117				
1,2,3-Trichloropropane	10.1		"	10.0		101	68-119				
1,2,4-Trichlorobenzene	9.81		"	10.0		98.1	78-117				
1,2,4-Trimethylbenzene	9.36		"	10.0		93.6	68-134				
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	73-129				
1,2-Dibromoethane	10.1		"	10.0		101	73-139				
1,2-Dichlorobenzene	9.92		"	10.0		99.2	83-110				
1,2-Dichloroethane	11.0		"	10.0		110	81-120				
1,2-Dichloropropane	9.61		"	10.0		96.1	76-120				
1,3,5-Trimethylbenzene	8.78		"	10.0		87.8	74-121				
1,3-Dichlorobenzene	9.61		"	10.0		96.1	82-112				
1,3-Dichloropropane	9.68		"	10.0		96.8	77-122				
1,4-Dichlorobenzene	9.63		"	10.0		96.3	83-110				
2,2-Dichloropropane	11.2		"	10.0		112	50-163				
2-Chlorotoluene	9.49		"	10.0		94.9	74-115				
2-Hexanone	9.40		"	10.0		94.0	65-130				
4-Chlorotoluene	9.58		"	10.0		95.8	77-119				
Acetone	10.1		"	10.0		101	54-129				
Benzene	10.7		"	10.0		107	77-122				
Bromobenzene	9.73		"	10.0		97.3	76-114				
Bromochloromethane	11.6		"	10.0		116	73-125				
Bromodichloromethane	9.76		"	10.0		97.6	83-120				
Bromoform	10.1		"	10.0		101	72-139				
Bromomethane	9.11		"	10.0		91.1	52-128				
Carbon tetrachloride	11.8		"	10.0		118	66-152				
Chlorobenzene	9.97		"	10.0		99.7	85-113				
Chloroethane	11.0		"	10.0		110	60-124				
Chloroform	10.6		"	10.0		106	82-119				
Chloromethane	7.73		"	10.0		77.3	42-126				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	79-116				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	85-134				
Dibromochloromethane	10.1		"	10.0		101	74-151				
Dibromomethane	9.93		"	10.0		99.3	74-128				
Dichlorodifluoromethane	9.30		"	10.0		93.0	10-146				
Ethyl Benzene	10.2		"	10.0		102	85-125				
Hexachlorobutadiene	10.3		"	10.0		103	69-131				
Isopropylbenzene	9.86		"	10.0		98.6	71-128				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	51-134				
Methylene chloride	10.6		"	10.0		106	76-122				
Naphthalene	10.3		"	10.0		103	72-127				
n-Butylbenzene	9.97		"	10.0		99.7	69-127				
n-Propylbenzene	9.79		"	10.0		97.9	70-129				
o-Xylene	9.88		"	10.0		98.8	83-117				



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
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Batch BI30702 - EPA 5030B

LCS (BI30702-BS1)

Prepared & Analyzed: 09/17/2013

p- & m- Xylenes	19.5		ug/L	20.0		97.6	80-126				
p-Isopropyltoluene	10.1		"	10.0		101	74-130				
sec-Butylbenzene	10.2		"	10.0		102	72-132				
Styrene	10.4		"	10.0		104	62-160				
tert-Butylbenzene	9.25		"	10.0		92.5	75-129				
Tetrachloroethylene	9.62		"	10.0		96.2	67-118				
Toluene	9.91		"	10.0		99.1	82-118				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	76-119				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	80-137				
Trichloroethylene	9.44		"	10.0		94.4	71-122				
Trichlorofluoromethane	11.0		"	10.0		110	67-130				
Vinyl Chloride	10.5		"	10.0		105	49-125				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>10.0</i>		<i>"</i>	<i>10.0</i>		<i>100</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.57</i>		<i>"</i>	<i>10.0</i>		<i>95.7</i>	<i>80-123</i>				

LCS Dup (BI30702-BSD1)

Prepared & Analyzed: 09/17/2013

1,1,1,2-Tetrachloroethane	9.26		ug/L	10.0		92.6	84-127		1.29	30	
1,1,1-Trichloroethane	10.8		"	10.0		108	80-131		1.66	30	
1,1,2,2-Tetrachloroethane	9.91		"	10.0		99.1	76-120		3.57	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	70-133		2.98	30	
1,1,2-Trichloroethane	9.84		"	10.0		98.4	73-124		1.61	30	
1,1-Dichloroethane	10.7		"	10.0		107	79-123		0.00	30	
1,1-Dichloroethylene	10.8		"	10.0		108	71-123		1.11	30	
1,1-Dichloropropylene	10.2		"	10.0		102	73-117		0.0975	30	
1,2,3-Trichlorobenzene	9.88		"	10.0		98.8	78-117		1.90	30	
1,2,3-Trichloropropane	9.33		"	10.0		93.3	68-119		7.83	30	
1,2,4-Trichlorobenzene	9.40		"	10.0		94.0	78-117		4.27	30	
1,2,4-Trimethylbenzene	8.87		"	10.0		88.7	68-134		5.38	30	
1,2-Dibromo-3-chloropropane	9.86		"	10.0		98.6	73-129		5.52	30	
1,2-Dibromoethane	10.0		"	10.0		100	73-139		1.09	30	
1,2-Dichlorobenzene	9.70		"	10.0		97.0	83-110		2.24	30	
1,2-Dichloroethane	11.1		"	10.0		111	81-120		1.08	30	
1,2-Dichloropropane	9.50		"	10.0		95.0	76-120		1.15	30	
1,3,5-Trimethylbenzene	8.28		"	10.0		82.8	74-121		5.86	30	
1,3-Dichlorobenzene	9.19		"	10.0		91.9	82-112		4.47	30	
1,3-Dichloropropane	9.57		"	10.0		95.7	77-122		1.14	30	
1,4-Dichlorobenzene	9.38		"	10.0		93.8	83-110		2.63	30	
2,2-Dichloropropane	11.1		"	10.0		111	50-163		1.34	30	
2-Chlorotoluene	9.05		"	10.0		90.5	74-115		4.75	30	
2-Hexanone	9.18		"	10.0		91.8	65-130		2.37	30	
4-Chlorotoluene	9.28		"	10.0		92.8	77-119		3.18	30	
Acetone	10.3		"	10.0		103	54-129		1.87	30	
Benzene	10.7		"	10.0		107	77-122		0.187	30	
Bromobenzene	9.43		"	10.0		94.3	76-114		3.13	30	
Bromochloromethane	11.2		"	10.0		112	73-125		4.21	30	
Bromodichloromethane	9.59		"	10.0		95.9	83-120		1.76	30	
Bromoform	9.93		"	10.0		99.3	72-139		1.50	30	
Bromomethane	9.78		"	10.0		97.8	52-128		7.09	30	
Carbon tetrachloride	11.7		"	10.0		117	66-152		0.426	30	
Chlorobenzene	9.76		"	10.0		97.6	85-113		2.13	30	
Chloroethane	10.7		"	10.0		107	60-124		3.31	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 BI30702 - EPA 5030B

LCS Dup (BI30702-BSD1)

Prepared & Analyzed: 09/17/2013

Chloroform	10.6		ug/L	10.0		106	82-119		0.189	30	
Chloromethane	7.78		"	10.0		77.8	42-126		0.645	30	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	79-116		1.05	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	85-134		2.45	30	
Dibromochloromethane	10.0		"	10.0		100	74-151		0.698	30	
Dibromomethane	9.62		"	10.0		96.2	74-128		3.17	30	
Dichlorodifluoromethane	9.34		"	10.0		93.4	10-146		0.429	30	
Ethyl Benzene	9.94		"	10.0		99.4	85-125		2.68	30	
Hexachlorobutadiene	9.77		"	10.0		97.7	69-131		5.28	30	
Isopropylbenzene	9.39		"	10.0		93.9	71-128		4.88	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	51-134		1.10	30	
Methylene chloride	10.4		"	10.0		104	76-122		2.29	30	
Naphthalene	9.61		"	10.0		96.1	72-127		6.93	30	
n-Butylbenzene	9.44		"	10.0		94.4	69-127		5.46	30	
n-Propylbenzene	9.63		"	10.0		96.3	70-129		1.65	30	
o-Xylene	9.61		"	10.0		96.1	83-117		2.77	30	
p- & m- Xylenes	18.9		"	20.0		94.6	80-126		3.23	30	
p-Isopropyltoluene	9.76		"	10.0		97.6	74-130		3.42	30	
sec-Butylbenzene	9.75		"	10.0		97.5	72-132		4.61	30	
Styrene	10.1		"	10.0		101	62-160		3.31	30	
tert-Butylbenzene	9.06		"	10.0		90.6	75-129		2.08	30	
Tetrachloroethylene	9.03		"	10.0		90.3	67-118		6.33	30	
Toluene	9.68		"	10.0		96.8	82-118		2.35	30	
trans-1,2-Dichloroethylene	10.7		"	10.0		107	76-119		3.41	30	
trans-1,3-Dichloropropylene	9.84		"	10.0		98.4	80-137		2.41	30	
Trichloroethylene	9.24		"	10.0		92.4	71-122		2.14	30	
Trichlorofluoromethane	11.0		"	10.0		110	67-130		0.0906	30	
Vinyl Chloride	10.4		"	10.0		104	49-125		1.15	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>79-133</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.85</i>		<i>"</i>	<i>10.0</i>		<i>98.5</i>	<i>65-133</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.75</i>		<i>"</i>	<i>10.0</i>		<i>97.5</i>	<i>80-123</i>				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13I0535-01	WQ091113:1430 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0535-02	WQ091113:1435 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0535-03	WQ091113:1440 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13I0535-04	WQ091113:1445 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL 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 of

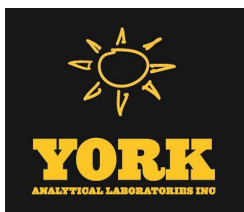
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions unless superseded by written contract.

York Project No. 1310535

Client Information		Report to:		Invoice To:		Client Project ID		Turn-Around Time		Report Type/Deliverables	
Company: <u>LBG</u>	☐ SAME	☐ SAME	Name: <u>Tunde Sandor</u>	Name: <u>Mark Goldberg</u>	Company: <u>Rowe Industries</u>	RUSH Same Day	Summary	x, pdf			
Address: <u>4 Research Drive,</u>		Name: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	Purchase Order no. <u>NABSAG</u>	RUSH Next Day	QA/QC summary	x, pdf			
Phone no.: <u>203-928-8555</u>		Address: <u>Same</u>	E-mail: <u>Tsandor@lbgct.com</u>	E-mail: <u> </u>		RUSH Two Day	CT RCP Pkg				
Contact Person <u>Tunde Sandor</u>			Fax No.: <u>203-926-9140</u>	Fax No.: <u> </u>		RUSH Three Day	ASP A Pkg				
E-mail Addr.: <u>Tsandor@lbgct.com</u>						RUSH Four Day	ASP B Pkg	x, pdf			
FAX No.: <u>203-926-9140</u>						Standard (5-7 days)	Excel				
				Samples from: <u>CT_NY_NJ</u>		OTHER	EDD	x, Excel			
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.  Samples Collected/Authorized By (Signature) <u>STEPHEN KWAT</u> Name (printed)											
Sample Identification		Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below							
<u>WQ091113:1430FRW-1</u>	<u>9/11/13 1430</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
<u>WQ091113:1435FRW-2</u>	<u>1435</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
<u>WQ091113:1440FRW-3</u>	<u>1440</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
<u>WQ091113:1445FRW-4</u>	<u>1445</u>	<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
		<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
		<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
		<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
		<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
		<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
		<u>GW</u>	VOC 8260 full list (EPA SW846-8260B)								
Comments				Cool 4°C <u> </u> HNO3 <u> </u> H2SO4 <u> </u> NaOH <u> </u> NONE <u> </u> FROZEN <u> </u>							
				Samples Relinquished By <u>Lucie Williams</u> Date/Time <u>9-13-13 16:45</u>							
				Samples Relinquished By <u>Pyrae</u> Date/Time <u>9-13-13 1650</u>							
				Samples Relinquished By <u> </u> Date/Time <u> </u>							
				Temperature on Receipt <u>3.5</u> °C							

APPENDIX III
SEPTEMBER 2013 LABORATORY ANALYTICAL REPORTS
FOR AIR SAMPLES



Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301

Shelton CT, 06484

Attention: Tunde Komuves-Sandor

Report Date: 09/09/2013

Client Project ID: Rowe Industries

York Project (SDG) No.: 13I0197

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/09/2013
Client Project ID: Rowe Industries
York Project (SDG) No.: 13I0197

Leggette Brashears & Graham Shelton Office

4 Research Drive, Suite 301
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 September 05, 2013 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>
13I0197-01	AQ090313:1350NP4-1	Vapor Extraction	09/03/2013	09/05/2013
13I0197-02	AQ090313:1355NP4-2	Vapor Extraction	09/03/2013	09/05/2013
13I0197-03	AQ090313:1400NP4-3	Vapor Extraction	09/03/2013	09/05/2013

General Notes for York Project (SDG) No.: 13I0197

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: 09/09/2013

YORK



Sample Information

Client Sample ID: AQ090313:1350NP4-1

York Sample ID: 1310197-01

York Project (SDG) No.

1310197

Client Project ID

Rowe Industries

Matrix

Vapor Extraction

Collection Date/Time

September 3, 2013 1:50 pm

Date Received

09/05/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.26	0.26	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
108-05-4	Vinyl acetate	ND		ug/m ³	0.36	0.36	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
79-01-6	Trichloroethylene	ND		ug/m ³	0.27	0.27	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
108-88-3	Toluene	1.5		ug/m ³	0.38	0.38	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
109-99-9	Tetrahydrofuran	1.4		ug/m ³	0.30	0.30	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
127-18-4	Tetrachloroethylene	0.97		ug/m ³	0.69	0.69	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
115-07-01	Propylene	ND		ug/m ³	0.18	0.18	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
622-96-8	p-Ethyltoluene	ND		ug/m ³	2.5	2.5	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
179601-23-1	p- & m- Xylenes	0.93		ug/m ³	0.88	0.88	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
95-47-6	o-Xylene	ND		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
110-54-3	n-Hexane	1.2		ug/m ³	0.36	0.36	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
142-82-5	n-Heptane	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
75-09-2	Methylene chloride	2.3		ug/m ³	0.35	0.35	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
67-63-0	Isopropanol	ND		ug/m ³	0.25	0.25	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
100-41-4	Ethyl Benzene	ND		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
141-78-6	Ethyl acetate	ND		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
110-82-7	Cyclohexane	ND		ug/m ³	0.35	0.35	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
74-87-3	Chloromethane	2.0		ug/m ³	0.21	0.21	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
67-66-3	Chloroform	ND		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
75-00-3	Chloroethane	ND		ug/m ³	0.27	0.27	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
56-23-5	Carbon tetrachloride	1.0		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
75-15-0	Carbon disulfide	ND		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB



Sample Information

Client Sample ID: A Q090313:1350NP4-1

York Sample ID: 1310197-01

York Project (SDG) No.
1310197

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 3, 2013 1:50 pm

Date Received
09/05/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/m ³	0.63	0.63	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
100-44-7	Benzyl chloride	ND		ug/m ³	0.53	0.53	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
71-43-2	Benzene	0.94		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
67-64-1	Acetone	9.4		ug/m ³	0.24	0.24	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
591-78-6	2-Hexanone	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
78-93-3	2-Butanone	2.0		ug/m ³	0.30	0.30	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
123-91-1	1,4-Dioxane	ND		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
106-99-0	1,3-Butadiene	ND		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.71	0.71	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.47	0.47	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.41	0.41	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.75	0.75	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.41	0.41	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
75-69-4	Trichlorofluoromethane (Freon 11)	2.4		ug/m ³	0.57	0.57	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1.2		ug/m ³	0.78	0.78	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.70	0.70	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
75-71-8	Dichlorodifluoromethane	4.2		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.78	0.78	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
124-48-1	Dibromochloromethane	ND		ug/m ³	0.82	0.82	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
108-90-7	Chlorobenzene	ND		ug/m ³	0.47	0.47	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 17:20	RB
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	97.8 %	70-130								



Sample Information

Client Sample ID: AQ090313:1355NP4-2

York Sample ID: 1310197-02

York Project (SDG) No.
1310197

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 3, 2013 1:55 pm

Date Received
09/05/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.26	0.26	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
108-05-4	Vinyl acetate	ND		ug/m ³	0.36	0.36	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
79-01-6	Trichloroethylene	2.9		ug/m ³	0.27	0.27	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
108-88-3	Toluene	1.3		ug/m ³	0.38	0.38	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
109-99-9	Tetrahydrofuran	1.1		ug/m ³	0.30	0.30	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
127-18-4	Tetrachloroethylene	44		ug/m ³	0.69	0.69	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
115-07-01	Propylene	ND		ug/m ³	0.18	0.18	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
622-96-8	p-Ethyltoluene	ND		ug/m ³	2.5	2.5	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
179601-23-1	p- & m- Xylenes	1.4		ug/m ³	0.88	0.88	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
95-47-6	o-Xylene	0.53		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
110-54-3	n-Hexane	ND		ug/m ³	0.36	0.36	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
142-82-5	n-Heptane	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-09-2	Methylene chloride	2.5		ug/m ³	0.35	0.35	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	4.9		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
67-63-0	Isopropanol	ND		ug/m ³	0.25	0.25	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
100-41-4	Ethyl Benzene	ND		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
141-78-6	Ethyl acetate	ND		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
110-82-7	Cyclohexane	0.67		ug/m ³	0.35	0.35	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
156-59-2	cis-1,2-Dichloroethylene	5.0		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
74-87-3	Chloromethane	1.7		ug/m ³	0.21	0.21	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
67-66-3	Chloroform	7.7		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-00-3	Chloroethane	ND		ug/m ³	0.27	0.27	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
56-23-5	Carbon tetrachloride	3.3		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-15-0	Carbon disulfide	ND		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-27-4	Bromodichloromethane	ND		ug/m ³	0.63	0.63	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB



Sample Information

Client Sample ID: AQ090313:1355NP4-2

York Sample ID: 1310197-02

York Project (SDG) No.
1310197

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 3, 2013 1:55 pm

Date Received
09/05/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m ³	0.53	0.53	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
71-43-2	Benzene	0.68		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
67-64-1	Acetone	17		ug/m ³	0.24	0.24	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
591-78-6	2-Hexanone	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
78-93-3	2-Butanone	2.9		ug/m ³	0.30	0.30	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
123-91-1	1,4-Dioxane	ND		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
106-99-0	1,3-Butadiene	ND		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.71	0.71	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.47	0.47	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.41	0.41	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
95-63-6	1,2,4-Trimethylbenzene	0.75		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.75	0.75	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-35-4	1,1-Dichloroethylene	1.3		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-34-3	1,1-Dichloroethane	10		ug/m ³	0.41	0.41	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-69-4	Trichlorofluoromethane (Freon 11)	5.4		ug/m ³	0.57	0.57	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	4.4		ug/m ³	0.78	0.78	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.70	0.70	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
71-55-6	1,1,1-Trichloroethane	41		ug/m ³	0.55	0.55	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
75-71-8	Dichlorodifluoromethane	3.7		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.78	0.78	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
124-48-1	Dibromochloromethane	ND		ug/m ³	0.82	0.82	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
108-90-7	Chlorobenzene	ND		ug/m ³	0.47	0.47	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:05	RB
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	93.9 %	70-130								



Sample Information

Client Sample ID: AQ090313:1400NP4-3

York Sample ID: 13I0197-03

York Project (SDG) No.
13I0197

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 3, 2013 2:00 pm

Date Received
09/05/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.26	0.26	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
108-05-4	Vinyl acetate	ND		ug/m ³	0.36	0.36	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
79-01-6	Trichloroethylene	1.1		ug/m ³	0.27	0.27	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
108-88-3	Toluene	0.61		ug/m ³	0.38	0.38	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
109-99-9	Tetrahydrofuran	0.69		ug/m ³	0.30	0.30	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
127-18-4	Tetrachloroethylene	1.5		ug/m ³	0.69	0.69	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
100-42-5	Styrene	ND		ug/m ³	0.43	0.43	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
115-07-01	Propylene	ND		ug/m ³	0.18	0.18	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
622-96-8	p-Ethyltoluene	ND		ug/m ³	2.5	2.5	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.88	0.88	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
95-47-6	o-Xylene	ND		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
110-54-3	n-Hexane	1.1		ug/m ³	0.36	0.36	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
142-82-5	n-Heptane	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-09-2	Methylene chloride	3.4		ug/m ³	0.35	0.35	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
1634-04-4	Methyl tert-butyl ether (MTBE)	1.5		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
67-63-0	Isopropanol	ND		ug/m ³	0.25	0.25	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.1	1.1	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
100-41-4	Ethyl Benzene	ND		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
141-78-6	Ethyl acetate	ND		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
110-82-7	Cyclohexane	ND		ug/m ³	0.35	0.35	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.46	0.46	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
156-59-2	cis-1,2-Dichloroethylene	4.6		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
74-87-3	Chloromethane	1.8		ug/m ³	0.21	0.21	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
67-66-3	Chloroform	9.4		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-00-3	Chloroethane	ND		ug/m ³	0.27	0.27	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
56-23-5	Carbon tetrachloride	2.2		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-15-0	Carbon disulfide	ND		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
74-83-9	Bromomethane	ND		ug/m ³	0.39	0.39	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-25-2	Bromoform	ND		ug/m ³	1.1	1.1	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-27-4	Bromodichloromethane	ND		ug/m ³	0.63	0.63	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB



Sample Information

Client Sample ID: AQ090313:1400NP4-3

York Sample ID: 13I0197-03

York Project (SDG) No.
13I0197

Client Project ID
Rowe Industries

Matrix
Vapor Extraction

Collection Date/Time
September 3, 2013 2:00 pm

Date Received
09/05/2013

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-44-7	Benzyl chloride	ND		ug/m ³	0.53	0.53	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
71-43-2	Benzene	0.52		ug/m ³	0.32	0.32	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
67-64-1	Acetone	3.4		ug/m ³	0.24	0.24	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
591-78-6	2-Hexanone	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
78-93-3	2-Butanone	0.78		ug/m ³	0.30	0.30	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
123-91-1	1,4-Dioxane	ND		ug/m ³	0.37	0.37	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
106-99-0	1,3-Butadiene	ND		ug/m ³	0.44	0.44	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
76-14-2	1,2-Dichlorotetrafluoroethane	0.92		ug/m ³	0.71	0.71	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.47	0.47	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.41	0.41	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.61	0.61	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.75	0.75	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-35-4	1,1-Dichloroethylene	1.3		ug/m ³	0.40	0.40	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-34-3	1,1-Dichloroethane	10		ug/m ³	0.41	0.41	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-69-4	Trichlorofluoromethane (Freon 11)	8.3		ug/m ³	0.57	0.57	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.55	0.55	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	6.7		ug/m ³	0.78	0.78	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.70	0.70	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
71-55-6	1,1,1-Trichloroethane	44		ug/m ³	0.55	0.55	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
75-71-8	Dichlorodifluoromethane	9.2		ug/m ³	0.50	0.50	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.78	0.78	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
124-48-1	Dibromochloromethane	ND		ug/m ³	0.82	0.82	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.42	0.42	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
108-90-7	Chlorobenzene	ND		ug/m ³	0.47	0.47	1	EPA Compendium TO-15	09/05/2013 11:16	09/06/2013 18:49	RB
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	95.2 %	70-130								



Analytical Batch Summary

Batch ID: BI30168

Preparation Method: EPA TO15 PREP

Prepared By: RQB

YORK Sample ID	Client Sample ID	Preparation Date
13I0197-01	AQ090313:1350NP4-1	09/05/13
13I0197-02	AQ090313:1355NP4-2	09/05/13
13I0197-03	AQ090313:1400NP4-3	09/05/13
BI30168-BLK1	Blank	09/05/13
BI30168-BS1	LCS	09/05/13



Volatile Organic Compounds by EPA Compendium TO14A/TO15 - 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 BI30168 - EPA TO15 PREP

Blank (BI30168-BLK1)

Prepared & Analyzed: 09/05/2013

Vinyl Chloride	ND	0.26	ug/m ³
Vinyl acetate	ND	0.36	"
Trichloroethylene	ND	0.27	"
trans-1,3-Dichloropropylene	ND	0.46	"
trans-1,2-Dichloroethylene	ND	0.40	"
Toluene	ND	0.38	"
Tetrahydrofuran	ND	0.30	"
Tetrachloroethylene	ND	0.69	"
Styrene	ND	0.43	"
Propylene	ND	0.18	"
p-Ethyltoluene	ND	2.5	"
p- & m- Xylenes	ND	0.88	"
o-Xylene	ND	0.44	"
n-Hexane	ND	0.36	"
n-Heptane	ND	0.42	"
Methylene chloride	ND	0.35	"
Methyl tert-butyl ether (MTBE)	ND	0.37	"
4-Methyl-2-pentanone	ND	0.42	"
Isopropanol	ND	0.25	"
Hexachlorobutadiene	ND	1.1	"
Ethyl Benzene	ND	0.44	"
Ethyl acetate	ND	0.37	"
Cyclohexane	ND	0.35	"
cis-1,3-Dichloropropylene	ND	0.46	"
cis-1,2-Dichloroethylene	ND	0.40	"
Chloromethane	ND	0.21	"
Chloroform	ND	0.50	"
Chloroethane	ND	0.27	"
Carbon tetrachloride	ND	0.32	"
Carbon disulfide	ND	0.32	"
Bromomethane	ND	0.39	"
Bromoform	ND	1.1	"
Bromodichloromethane	ND	0.63	"
Benzyl chloride	ND	0.53	"
Benzene	ND	0.32	"
Acetone	ND	0.24	"
2-Hexanone	ND	0.42	"
2-Butanone	ND	0.30	"
1,4-Dioxane	ND	0.37	"
1,4-Dichlorobenzene	ND	0.61	"
1,3-Dichlorobenzene	ND	0.61	"
1,3-Butadiene	ND	0.44	"
1,3,5-Trimethylbenzene	ND	0.50	"
1,2-Dichlorotetrafluoroethane	ND	0.71	"
1,2-Dichloropropane	ND	0.47	"
1,2-Dichloroethane	ND	0.41	"
1,2-Dichlorobenzene	ND	0.61	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.75	"
1,1-Dichloroethylene	ND	0.40	"
1,1-Dichloroethane	ND	0.41	"



Volatile Organic Compounds by EPA Compendium TO14A/TO15 - 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 BI30168 - EPA TO15 PREP

Blank (BI30168-BLK1)

Prepared & Analyzed: 09/05/2013

Trichlorofluoromethane (Freon 11)	ND	0.57	ug/m ³								
1,1,2-Trichloroethane	ND	0.55	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.78	"								
1,1,2,2-Tetrachloroethane	ND	0.70	"								
1,1,1-Trichloroethane	ND	0.55	"								
Dichlorodifluoromethane	ND	0.50	"								
1,2-Dibromoethane	ND	0.78	"								
Dibromochloromethane	ND	0.82	"								
Methyl Methacrylate	ND	0.42	"								
Chlorobenzene	ND	0.47	"								

Surrogate: <i>p</i> -Bromofluorobenzene	7.72		ppbv	10.0		77.2	70-130				
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LCS (BI30168-BS1)

Prepared & Analyzed: 09/05/2013

Vinyl Chloride	11.2		ppbv	10.5		107	70-130				
Vinyl acetate	11.9		"	10.4		114	58.1-135				
Trichloroethylene	11.2		"	10.6		105	70-130				
trans-1,3-Dichloropropylene	12.2		"	11.5		106	62-135				
trans-1,2-Dichloroethylene	11.0		"	10.3		107	58.3-130				
Toluene	11.3		"	11.0		103	64.9-126				
Tetrahydrofuran	12.1		"	10.8		112	44.6-146				
Tetrachloroethylene	11.6		"	10.8		107	70-130				
Styrene	12.4		"	10.9		114	66.4-132				
Propylene	12.6		"	11.5		109	62.4-150				
p-Ethyltoluene	12.6		"	10.4		121	73.8-146				
p- & m- Xylenes	23.5		"	21.8		108	56.6-136				
o-Xylene	12.0		"	11.0		109	67.8-133				
n-Hexane	11.5		"	10.9		105	59.7-130				
n-Heptane	11.4		"	10.9		105	62.3-134				
Methylene chloride	9.92		"	9.70		102	62.6-130				
Methyl tert-butyl ether (MTBE)	12.2		"	10.3		119	60.7-139				
4-Methyl-2-pentanone	11.1		"	10.6		105	64.5-158				
Isopropanol	14.0		"	10.9		129	60-150				
Hexachlorobutadiene	11.8		"	10.2		115	61.2-150				
Ethyl Benzene	11.6		"	11.0		106	68.4-125				
Ethyl acetate	12.8		"	11.0		116	40.6-150				
Cyclohexane	11.5		"	10.8		107	60.4-127				
cis-1,3-Dichloropropylene	11.3		"	10.9		104	65.5-129				
cis-1,2-Dichloroethylene	11.2		"	10.8		103	51.3-118				
Chloromethane	10.2		"	10.3		98.8	64.9-130				
Chloroform	11.8		"	11.0		107	65.1-130				
Chloroethane	11.1		"	10.3		107	52.1-131				
Carbon tetrachloride	11.3		"	10.5		108	70-130				
Carbon disulfide	11.1		"	10.5		105	61.8-111				
Bromomethane	11.1		"	10.5		106	60.1-140				
Bromoform	11.8		"	10.9		108	58.7-150				
Bromodichloromethane	11.0		"	10.6		103	65.3-127				
Benzyl chloride	12.3		"	10.8		114	62.5-150				
Benzene	11.4		"	10.8		106	69.5-130				
Acetone	12.2		"	11.0		111	55.3-133				
2-Hexanone	9.97		"	10.9		91.5	52-150				
2-Butanone	12.5		"	10.9		115	28.5-154				
1,4-Dioxane	13.0		"	10.6		123	50-150				



Volatile Organic Compounds by EPA Compendium TO14A/TO15 - 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 BI30168 - EPA TO15 PREP

LCS (BI30168-BS1)

Prepared & Analyzed: 09/05/2013

1,4-Dichlorobenzene	12.3		ppbv	10.9		113	62.5-139				
1,3-Dichlorobenzene	12.4		"	10.8		115	71.9-153				
1,3-Butadiene	12.0		"	10.9		110	66.7-127				
1,3,5-Trimethylbenzene	13.0		"	11.0		118	65-152				
1,2-Dichlorotetrafluoroethane	11.4		"	10.5		108	63.3-129				
1,2-Dichloropropane	10.9		"	11.0		99.0	21.3-152				
1,2-Dichloroethane	11.4		"	10.7		107	51.2-124				
1,2-Dichlorobenzene	12.0		"	10.7		112	63.7-148				
1,2,4-Trimethylbenzene	13.4		"	11.0		122	67.9-152				
1,2,4-Trichlorobenzene	8.70		"	10.0		87.0	58-147				
1,1-Dichloroethylene	10.2		"	9.60		106	58.1-130				
1,1-Dichloroethane	10.8		"	10.3		104	63.3-130				
Trichlorofluoromethane (Freon 11)	11.5		"	11.0		104	56-132				
1,1,2-Trichloroethane	11.4		"	11.0		104	66-127				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.93		"	9.20		108	60.2-125				
1,1,2,2-Tetrachloroethane	11.8		"	11.0		107	63.7-132				
1,1,1-Trichloroethane	11.3		"	10.5		108	58.2-126				
Dichlorodifluoromethane	10.9		"	10.2		107	62.8-133				
1,2-Dibromoethane	11.9		"	11.0		108	70-130				
Dibromochloromethane	11.4		"	10.7		107	70-130				
Methyl Methacrylate	10.8		"	10.7		101	70-130				
Chlorobenzene	11.3		"	11.0		103	67.6-122				
Surrogate: <i>p</i> -Bromofluorobenzene	9.99		"	10.0		99.9	70-130				



Notes and Definitions

ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
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 MDL, with values between the MDL and the RL 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 - AIR

Page 1 of 1

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

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

York Project No. / 3 I 0 / 97

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