TABLE 2

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

Effluent Water Quality Results

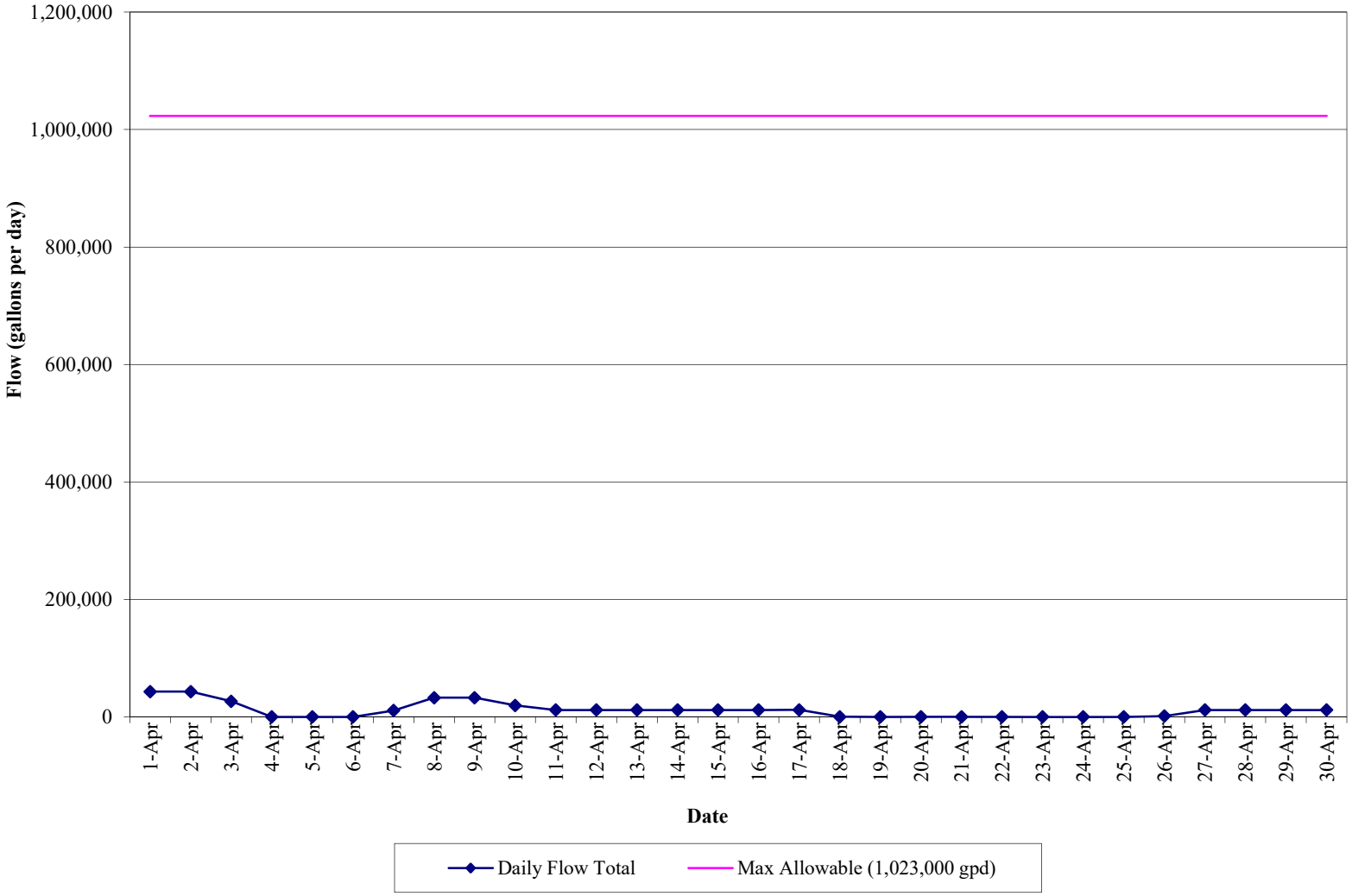
Date Sampled [2/]	pH [1/]	TDS (mg/l)	PCE (ug/l)	1,1,1-TCA (ug/l)	TCE (ug/l)	1,1-DCA (ug/l)	1,1-DCE (ug/l)	cis-1,2-DCE (ug/l)	trans-1,2-DCE (ug/l)	Xylene (ug/l)	Toluene (ug/l)	Ethyl-benzene (ug/l)	Methylene Chloride (ug/l)	Freon 113 (ug/l)	Naphthalene (ug/l)	Chloroform (ug/l)	Total Iron (mg/l)	Dissolved Iron (mg/l)
SPDES Limits	**6.5 to 8.5**	**---**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**5**	**---**	**10**	**7**	**---**	**---**
2-May-16	6.5	149	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	11.0	0.092
17-May-16	6.6	167	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.89	0.037
7-Jun-16	6.5	150	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.24	0.095
23-Jun-16	6.5	158	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.72	0.034
7-Jul-16 [3/]	6.6	NA	1.3	ND<0.5	0.35 J	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.35	ND<0.02
19-Jul-16	6.5	155	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.45	0.147
2-Aug-16	6.6	128	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.63	0.263
16-Aug-16	6.5	148	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.64	0.207
1-Sep-16	6.5	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.65	0.044
16-Sep-16	6.5	146	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	0.92	0.336
17-Oct-16 [4/]	6.5	141	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	1.27	0.455
1-Nov-16	6.5	224	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	3.50	0.100
1-Dec-16	6.5	191	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.17	0.042
3-Jan-17	6.5	123	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<2	ND<0.5	ND<0.5	ND<0.5	2.24	0.030
1-Feb-17	6.5	120	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<3	ND<0.5	ND<0.5	ND<0.5	2.17	0.051
1-Mar-17	6.5	149	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<3	ND<0.5	ND<0.5	ND<0.5	0.69	0.063
7-Apr-17	6.5	157	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<0.5	ND<0.5	ND<3	ND<0.5	ND<0.5	ND<0.5	3.62	0.060

SPDES: State Pollutant Discharge Elimination System
mg/l: Milligrams per liter
ug/l: Micrograms per liter
----: Not established
NM: Not Measured
TDS: Total dissolved solids
PCE: Tetrachloroethylene
1,1,1-TCA: 1,1,1-Trichloroethane
TCE: Trichloroethene
1,1-DCA: 1,1-Dichlorothane
1,1-DCE: 1,1-Dichloroethene
cis-1,2-DCE: cis-1,2-Dichloroethene
trans-1,2,-DCE: trans-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:
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5.
2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.
3. LBG suspects the PCE and TCE detections from the water sample collected from the effluent sample port (NP2-10) on July 7, 2016, were most likely caused by: a) reversing the sample label on the influent and effluent laboratory bottles; or b) a mis labeling of the results by the laboratory, because the "ND" (non-detect below the laboratory reporting limit) results for PCE and TCE are typically observed in the effluent water sample and low concentrations of these compounds are normally observed in the influent water sample. The reverse was true for the July 7, 2016 sampling event.
4. Starting in October 2016, FSP&T system samples will be collected monthly instead of once every two weeks.

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

Effluent Flow Data
(April 1, 2017 to April 30, 2017)



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

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 04/18/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17D0361

Report Date: 04/18/2017
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Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 11, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17D0361-01	WQ040717:1550NP2-6	Water	04/07/2017	04/11/2017
17D0363-01	WQ040717:1355NP2-10	Water	04/07/2017	04/11/2017

General Notes for York Project (SDG) No.: 17D0361

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/18/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ040717:1550NP2-6 **York Sample ID:** 17D0361-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0361	Rowe Industries	Water	April 7, 2017 3:50 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS

Sample Information

Client Sample ID: WQ040717:1550NP2-6 **York Sample ID:** 17D0361-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0361	Rowe Industries	Water	April 7, 2017 3:50 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
74-87-3	**Chloromethane**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
156-59-2	**cis-1,2-Dichloroethylene**	**0.89**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 18:37	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 18:37	SS

Sample Information

Client Sample ID: WQ040717:1550NP2-6 **York Sample ID:** 17D0361-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0361	Rowe Industries	Water	April 7, 2017 3:50 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	04/17/2017 07:45	04/17/2017 18:37	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	04/17/2017 07:45	04/17/2017 18:37	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
127-18-4	**Tetrachloroethylene**	**6.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
79-01-6	**Trichloroethylene**	**0.65**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	04/17/2017 07:45	04/17/2017 18:37	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*87.1 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*97.4 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.5 %*	*79-122*

Sample Information

Client Sample ID: WQ040717:1355NP2-10 **York Sample ID:** 17D0363-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0363	Rowe Industries	Water	April 7, 2017 1:55 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS

Sample Information

Client Sample ID: WQ040717:1355NP2-10 **York Sample ID:** 17D0363-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0363	Rowe Industries	Water	April 7, 2017 1:55 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
67-64-1	**Acetone**	**1.1**	CCV-E, SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
74-87-3	**Chloromethane**	**0.64**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/14/2017 07:41 CTDOH,NELAC-NY10854,NJDEP	04/14/2017 20:07	SS

Sample Information

Client Sample ID: WQ040717:1355NP2-10 **York Sample ID:** 17D0363-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0363	Rowe Industries	Water	April 7, 2017 1:55 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	04/14/2017 07:41	04/14/2017 20:07	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	04/14/2017 07:41	04/14/2017 20:07	SS
99-87-6	**p-Isopropyltoluene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	04/14/2017 07:41	04/14/2017 20:07	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*84.1 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*98.4 %*	*79-122*

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst

Sample Information

Client Sample ID: WQ040717:1355NP2-10 **York Sample ID:** 17D0363-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0363	Rowe Industries	Water	April 7, 2017 1:55 pm	04/11/2017

Iron by EPA 200.7

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 200.7

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**3.62**	B	mg/L	0.0222	1	EPA 200.7	04/17/2017 14:01	04/17/2017 22:49	KV
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron, Dissolved by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-89-6	**Iron**	**0.0600**		mg/L	0.0222	1	EPA 6010C	04/17/2017 13:53	04/17/2017 20:38	KV
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Total Dissolved Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Dissolved Solids	**157**		mg/L	10.0	1	SM 2540C	04/11/2017 17:34	04/12/2017 22:14	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analytical Batch Summary

Batch ID: BD70455 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
17D0363-01	WQ040717:1355NP2-10	04/11/17
BD70455-BLK1	Blank	04/11/17

Batch ID: BD70622 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17D0363-01	WQ040717:1355NP2-10	04/14/17
BD70622-BLK1	Blank	04/14/17
BD70622-BS1	LCS	04/14/17
BD70622-BSD1	LCS Dup	04/14/17

Batch ID: BD70689 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17D0361-01	WQ040717:1550NP2-6	04/17/17
BD70689-BLK1	Blank	04/17/17
BD70689-BS1	LCS	04/17/17
BD70689-BSD1	LCS Dup	04/17/17

Batch ID: BD70726 **Preparation Method:** EPA 3015A **Prepared By:** KV

YORK Sample ID	Client Sample ID	Preparation Date
17D0363-01	WQ040717:1355NP2-10	04/17/17
BD70726-BLK1	Blank	04/17/17
BD70726-DUP1	Duplicate	04/17/17
BD70726-MS1	Matrix Spike	04/17/17
BD70726-SRM1	Reference	04/17/17

Batch ID: BD70728 **Preparation Method:** EPA 200.7 **Prepared By:** KV

YORK Sample ID	Client Sample ID	Preparation Date
17D0363-01	WQ040717:1355NP2-10	04/17/17
BD70728-BLK1	Blank	04/17/17
BD70728-DUP1	Duplicate	04/17/17
BD70728-MS1	Matrix Spike	04/17/17
BD70728-SRM1	Reference	04/17/17

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70622 - EPA 5030B											
Blank (BD70622-BLK1)											Prepared & Analyzed: 04/14/2017
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	3.5	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.91	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	0.58	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	1.7	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	1.2	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70622 - EPA 5030B											
Blank (BD70622-BLK1)								Prepared & Analyzed: 04/14/2017			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*8.63*		*"*	*10.0*		*86.3*	*69-130*				
Surrogate: Toluene-d8	*9.91*		*"*	*10.0*		*99.1*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
LCS (BD70622-BS1)								Prepared & Analyzed: 04/14/2017			
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126				
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136				
1,1,2,2-Tetrachloroethane	9.41		"	10.0		94.1	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.22		"	10.0		82.2	54-165				
1,1,2-Trichloroethane	9.07		"	10.0		90.7	82-123				
1,1-Dichloroethane	11.1		"	10.0		111	82-129				
1,1-Dichloroethylene	8.27		"	10.0		82.7	68-138				
1,1-Dichloropropylene	11.7		"	10.0		117	83-133				
1,2,3-Trichlorobenzene	14.7		"	10.0		147	76-136	High Bias			
1,2,3-Trichloropropane	9.71		"	10.0		97.1	77-128				
1,2,4-Trichlorobenzene	14.0		"	10.0		140	76-137	High Bias			
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	9.05		"	10.0		90.5	45-147				
1,2-Dibromoethane	9.48		"	10.0		94.8	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	9.79		"	10.0		97.9	73-132				
1,2-Dichloropropane	0.300		"	10.0		3.00	78-126	Low Bias			
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131				
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122				
1,3-Dichloropropane	9.56		"	10.0		95.6	81-125				
1,4-Dichlorobenzene	10.6		"	10.0		106	85-124				
2,2-Dichloropropane	12.6		"	10.0		126	56-150				
2-Chlorotoluene	11.1		"	10.0		111	79-130				
2-Hexanone	9.27		"	10.0		92.7	51-146				
4-Chlorotoluene	10.6		"	10.0		106	79-128				
Acetone	6.24		"	10.0		62.4	14-150				
Benzene	11.1		"	10.0		111	85-126				
Bromobenzene	9.98		"	10.0		99.8	78-129				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	9.80		"	10.0		98.0	78-133				
Bromomethane	10.3		"	10.0		103	43-168				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70622 - EPA 5030B											
LCS (BD70622-BS1)								Prepared & Analyzed: 04/14/2017			
Carbon tetrachloride	11.5		ug/L	10.0		115	77-141				
Chlorobenzene	10.5		"	10.0		105	88-120				
Chloroethane	10.0		"	10.0		100	65-136				
Chloroform	10.6		"	10.0		106	82-128				
Chloromethane	11.2		"	10.0		112	43-155				
cis-1,2-Dichloroethylene	10.4		"	10.0		104	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Dibromochloromethane	9.93		"	10.0		99.3	80-130				
Dibromomethane	9.75		"	10.0		97.5	72-134				
Dichlorodifluoromethane	8.57		"	10.0		85.7	44-144				
Ethyl Benzene	10.7		"	10.0		107	80-131				
Hexachlorobutadiene	13.9		"	10.0		139	67-146				
Isopropylbenzene	11.5		"	10.0		115	76-140				
Methyl tert-butyl ether (MTBE)	9.94		"	10.0		99.4	76-135				
Methylene chloride	9.46		"	10.0		94.6	55-137				
Naphthalene	15.2		"	10.0		152	70-147	High Bias			
n-Butylbenzene	11.2		"	10.0		112	79-132				
n-Propylbenzene	11.1		"	10.0		111	78-133				
o-Xylene	10.5		"	10.0		105	78-130				
p- & m- Xylenes	20.6		"	20.0		103	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	11.4		"	10.0		114	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butylbenzene	11.3		"	10.0		113	77-138				
Tetrachloroethylene	10.6		"	10.0		106	82-131				
Toluene	10.5		"	10.0		105	80-127				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	10.6		"	10.0		106	67-139				
Vinyl Chloride	9.86		"	10.0		98.6	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.07*		*"*	*10.0*		*90.7*	*69-130*				
Surrogate: Toluene-d8	*9.81*		*"*	*10.0*		*98.1*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70622 - EPA 5030B											
LCS Dup (BD70622-BSD1)								Prepared & Analyzed: 04/14/2017			
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126		2.75	30	
1,1,1-Trichloroethane	11.9		"	10.0		119	78-136		2.81	30	
1,1,2,2-Tetrachloroethane	9.58		"	10.0		95.8	76-129		1.79	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.59		"	10.0		85.9	54-165		4.40	30	
1,1,2-Trichloroethane	9.49		"	10.0		94.9	82-123		4.53	30	
1,1-Dichloroethane	11.0		"	10.0		110	82-129		0.453	30	
1,1-Dichloroethylene	8.44		"	10.0		84.4	68-138		2.03	30	
1,1-Dichloropropylene	11.7		"	10.0		117	83-133		0.0856	30	
1,2,3-Trichlorobenzene	19.5		"	10.0		195	76-136	High Bias	28.4	30	
1,2,3-Trichloropropane	9.46		"	10.0		94.6	77-128		2.61	30	
1,2,4-Trichlorobenzene	15.2		"	10.0		152	76-137	High Bias	7.99	30	
1,2,4-Trimethylbenzene	11.3		"	10.0		113	82-132		4.06	30	
1,2-Dibromo-3-chloropropane	8.59		"	10.0		85.9	45-147		5.22	30	
1,2-Dibromoethane	9.54		"	10.0		95.4	83-124		0.631	30	
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123		0.754	30	
1,2-Dichloroethane	9.30		"	10.0		93.0	73-132		5.13	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		189	30	Non-dir.
1,3,5-Trimethylbenzene	11.9		"	10.0		119	80-131		4.90	30	
1,3-Dichlorobenzene	10.9		"	10.0		109	86-122		1.95	30	
1,3-Dichloropropane	9.91		"	10.0		99.1	81-125		3.60	30	
1,4-Dichlorobenzene	10.9		"	10.0		109	85-124		2.99	30	
2,2-Dichloropropane	12.5		"	10.0		125	56-150		0.399	30	
2-Chlorotoluene	11.7		"	10.0		117	79-130		5.45	30	
2-Hexanone	9.17		"	10.0		91.7	51-146		1.08	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		2.60	30	
Acetone	7.72		"	10.0		77.2	14-150		21.2	30	
Benzene	11.0		"	10.0		110	85-126		0.996	30	
Bromobenzene	10.6		"	10.0		106	78-129		5.84	30	
Bromochloromethane	9.66		"	10.0		96.6	77-128		4.85	30	
Bromodichloromethane	10.6		"	10.0		106	79-128		1.71	30	
Bromoform	9.77		"	10.0		97.7	78-133		0.307	30	
Bromomethane	11.0		"	10.0		110	43-168		5.91	30	
Carbon tetrachloride	12.0		"	10.0		120	77-141		3.91	30	
Chlorobenzene	10.4		"	10.0		104	88-120		0.382	30	
Chloroethane	9.71		"	10.0		97.1	65-136		3.24	30	
Chloroform	10.5		"	10.0		105	82-128		0.285	30	
Chloromethane	10.7		"	10.0		107	43-155		3.93	30	
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129		1.62	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131		3.97	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		3.66	30	
Dibromomethane	9.45		"	10.0		94.5	72-134		3.12	30	
Dichlorodifluoromethane	8.46		"	10.0		84.6	44-144		1.29	30	
Ethyl Benzene	11.0		"	10.0		110	80-131		2.95	30	
Hexachlorobutadiene	15.1		"	10.0		151	67-146	High Bias	7.86	30	
Isopropylbenzene	12.1		"	10.0		121	76-140		5.59	30	
Methyl tert-butyl ether (MTBE)	9.32		"	10.0		93.2	76-135		6.44	30	
Methylene chloride	9.15		"	10.0		91.5	55-137		3.33	30	
Naphthalene	15.8		"	10.0		158	70-147	High Bias	4.06	30	
n-Butylbenzene	11.9		"	10.0		119	79-132		5.90	30	
n-Propylbenzene	11.7		"	10.0		117	78-133		5.69	30	
o-Xylene	10.9		"	10.0		109	78-130		3.83	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70622 - EPA 5030B											
LCS Dup (BD70622-BSD1)								Prepared & Analyzed: 04/14/2017			
p- & m- Xylenes	21.9		ug/L	20.0		110	77-133		5.92	30	
p-Isopropyltoluene	12.1		"	10.0		121	81-136		3.69	30	
sec-Butylbenzene	12.1		"	10.0		121	79-137		5.96	30	
Styrene	10.6		"	10.0		106	67-132		0.842	30	
tert-Butylbenzene	12.0		"	10.0		120	77-138		6.10	30	
Tetrachloroethylene	11.6		"	10.0		116	82-131		8.45	30	
Toluene	10.9		"	10.0		109	80-127		4.03	30	
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132		2.61	30	
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131		1.76	30	
Trichloroethylene	11.2		"	10.0		112	82-128		5.04	30	
Trichlorofluoromethane	11.2		"	10.0		112	67-139		5.31	30	
Vinyl Chloride	10.1		"	10.0		101	58-145		2.60	30	
Surrogate: 1,2-Dichloroethane-d4	*8.65*		*"*	*10.0*		*86.5*	*69-130*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				
Batch BD70689 - EPA 5030B											
Blank (BD70689-BLK1)								Prepared & Analyzed: 04/17/2017			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	3.5	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.96	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								

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 BD70689 - EPA 5030B											
Blank (BD70689-BLK1)											
Prepared & Analyzed: 04/17/2017											
Carbon tetrachloride	ND	0.50	ug/L								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	1.7	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	1.4	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*8.81*		"	*10.0*		*88.1*	*69-130*				
Surrogate: Toluene-d8	*9.99*		"	*10.0*		*99.9*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.7*		"	*10.0*		*107*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70689 - EPA 5030B											
LCS (BD70689-BS1)								Prepared & Analyzed: 04/17/2017			
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126				
1,1,1-Trichloroethane	12.2		"	10.0		122	78-136				
1,1,2,2-Tetrachloroethane	8.96		"	10.0		89.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4		"	10.0		114	54-165				
1,1,2-Trichloroethane	9.15		"	10.0		91.5	82-123				
1,1-Dichloroethane	11.3		"	10.0		113	82-129				
1,1-Dichloroethylene	11.1		"	10.0		111	68-138				
1,1-Dichloropropylene	11.9		"	10.0		119	83-133				
1,2,3-Trichlorobenzene	16.0		"	10.0		160	76-136	High Bias			
1,2,3-Trichloropropane	8.97		"	10.0		89.7	77-128				
1,2,4-Trichlorobenzene	12.4		"	10.0		124	76-137				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	9.62		"	10.0		96.2	45-147				
1,2-Dibromoethane	9.39		"	10.0		93.9	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	9.97		"	10.0		99.7	73-132				
1,2-Dichloropropane	9.54		"	10.0		95.4	78-126				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131				
1,3-Dichlorobenzene	9.84		"	10.0		98.4	86-122				
1,3-Dichloropropane	9.24		"	10.0		92.4	81-125				
1,4-Dichlorobenzene	9.88		"	10.0		98.8	85-124				
2,2-Dichloropropane	12.6		"	10.0		126	56-150				
2-Chlorotoluene	10.7		"	10.0		107	79-130				
2-Hexanone	8.54		"	10.0		85.4	51-146				
4-Chlorotoluene	10.4		"	10.0		104	79-128				
Acetone	7.65		"	10.0		76.5	14-150				
Benzene	11.4		"	10.0		114	85-126				
Bromobenzene	9.48		"	10.0		94.8	78-129				
Bromochloromethane	10.2		"	10.0		102	77-128				
Bromodichloromethane	10.4		"	10.0		104	79-128				
Bromoform	10.6		"	10.0		106	78-133				
Bromomethane	9.43		"	10.0		94.3	43-168				
Carbon tetrachloride	12.2		"	10.0		122	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	9.07		"	10.0		90.7	65-136				
Chloroform	10.8		"	10.0		108	82-128				
Chloromethane	9.00		"	10.0		90.0	43-155				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131				
Dibromochloromethane	10.3		"	10.0		103	80-130				
Dibromomethane	9.44		"	10.0		94.4	72-134				
Dichlorodifluoromethane	8.10		"	10.0		81.0	44-144				
Ethyl Benzene	10.5		"	10.0		105	80-131				
Hexachlorobutadiene	14.0		"	10.0		140	67-146				
Isopropylbenzene	11.4		"	10.0		114	76-140				
Methyl tert-butyl ether (MTBE)	10.2		"	10.0		102	76-135				
Methylene chloride	9.36		"	10.0		93.6	55-137				
Naphthalene	13.7		"	10.0		137	70-147				
n-Butylbenzene	10.7		"	10.0		107	79-132				
n-Propylbenzene	10.8		"	10.0		108	78-133				
o-Xylene	10.2		"	10.0		102	78-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70689 - EPA 5030B											
LCS (BD70689-BS1)								Prepared & Analyzed: 04/17/2017			
p- & m- Xylenes	20.5		ug/L	20.0		103	77-133				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	9.99		"	10.0		99.9	67-132				
tert-Butylbenzene	10.9		"	10.0		109	77-138				
Tetrachloroethylene	10.5		"	10.0		105	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	10.5		"	10.0		105	82-128				
Trichlorofluoromethane	10.8		"	10.0		108	67-139				
Vinyl Chloride	8.91		"	10.0		89.1	58-145				
Surrogate: 1,2-Dichloroethane-d4	*9.09*		*"*	*10.0*		*90.9*	*69-130*				
Surrogate: Toluene-d8	*9.81*		*"*	*10.0*		*98.1*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*79-122*				
LCS Dup (BD70689-BSD1)								Prepared & Analyzed: 04/17/2017			
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126		1.87	30	
1,1,1-Trichloroethane	12.2		"	10.0		122	78-136		0.0819	30	
1,1,2,2-Tetrachloroethane	9.20		"	10.0		92.0	76-129		2.64	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.16		"	10.0		91.6	54-165		21.7	30	
1,1,2-Trichloroethane	9.26		"	10.0		92.6	82-123		1.20	30	
1,1-Dichloroethane	11.4		"	10.0		114	82-129		0.704	30	
1,1-Dichloroethylene	8.79		"	10.0		87.9	68-138		23.3	30	
1,1-Dichloropropylene	12.4		"	10.0		124	83-133		4.12	30	
1,2,3-Trichlorobenzene	17.7		"	10.0		177	76-136	High Bias	10.2	30	
1,2,3-Trichloropropane	9.39		"	10.0		93.9	77-128		4.58	30	
1,2,4-Trichlorobenzene	12.8		"	10.0		128	76-137		3.65	30	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132		2.15	30	
1,2-Dibromo-3-chloropropane	8.72		"	10.0		87.2	45-147		9.81	30	
1,2-Dibromoethane	8.80		"	10.0		88.0	83-124		6.49	30	
1,2-Dichlorobenzene	9.84		"	10.0		98.4	79-123		1.91	30	
1,2-Dichloroethane	9.87		"	10.0		98.7	73-132		1.01	30	
1,2-Dichloropropane	9.79		"	10.0		97.9	78-126		2.59	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		0.705	30	
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122		2.31	30	
1,3-Dichloropropane	9.26		"	10.0		92.6	81-125		0.216	30	
1,4-Dichlorobenzene	9.84		"	10.0		98.4	85-124		0.406	30	
2,2-Dichloropropane	12.6		"	10.0		126	56-150		0.00	30	
2-Chlorotoluene	11.0		"	10.0		110	79-130		2.40	30	
2-Hexanone	8.81		"	10.0		88.1	51-146		3.11	30	
4-Chlorotoluene	10.5		"	10.0		105	79-128		0.860	30	
Acetone	8.64		"	10.0		86.4	14-150		12.2	30	
Benzene	11.4		"	10.0		114	85-126		0.175	30	
Bromobenzene	9.71		"	10.0		97.1	78-129		2.40	30	
Bromochloromethane	10.3		"	10.0		103	77-128		0.489	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		2.23	30	
Bromoform	9.59		"	10.0		95.9	78-133		9.63	30	
Bromomethane	9.92		"	10.0		99.2	43-168		5.06	30	
Carbon tetrachloride	12.5		"	10.0		125	77-141		2.51	30	
Chlorobenzene	10.1		"	10.0		101	88-120		0.692	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70689 - EPA 5030B											
LCS Dup (BD70689-BSD1)								Prepared & Analyzed: 04/17/2017			
Chloroethane	9.86		ug/L	10.0		98.6	65-136		8.35	30	
Chloroform	11.1		"	10.0		111	82-128		2.56	30	
Chloromethane	9.59		"	10.0		95.9	43-155		6.35	30	
cis-1,2-Dichloroethylene	10.8		"	10.0		108	83-129		0.00	30	
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131		1.55	30	
Dibromochloromethane	10.1		"	10.0		101	80-130		2.55	30	
Dibromomethane	8.90		"	10.0		89.0	72-134		5.89	30	
Dichlorodifluoromethane	7.82		"	10.0		78.2	44-144		3.52	30	
Ethyl Benzene	10.6		"	10.0		106	80-131		1.13	30	
Hexachlorobutadiene	14.2		"	10.0		142	67-146		0.780	30	
Isopropylbenzene	11.6		"	10.0		116	76-140		1.74	30	
Methyl tert-butyl ether (MTBE)	10.3		"	10.0		103	76-135		0.683	30	
Methylene chloride	9.54		"	10.0		95.4	55-137		1.90	30	
Naphthalene	14.9		"	10.0		149	70-147	High Bias	8.88	30	
n-Butylbenzene	10.9		"	10.0		109	79-132		1.85	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		4.08	30	
o-Xylene	10.2		"	10.0		102	78-130		0.980	30	
p- & m- Xylenes	20.9		"	20.0		104	77-133		1.74	30	
p-Isopropyltoluene	11.5		"	10.0		115	81-136		1.94	30	
sec-Butylbenzene	11.3		"	10.0		113	79-137		1.34	30	
Styrene	10.1		"	10.0		101	67-132		1.49	30	
tert-Butylbenzene	11.1		"	10.0		111	77-138		1.46	30	
Tetrachloroethylene	10.8		"	10.0		108	82-131		2.73	30	
Toluene	10.5		"	10.0		105	80-127		1.24	30	
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132		4.51	30	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131		1.08	30	
Trichloroethylene	10.9		"	10.0		109	82-128		4.30	30	
Trichlorofluoromethane	11.2		"	10.0		112	67-139		3.27	30	
Vinyl Chloride	9.68		"	10.0		96.8	58-145		8.28	30	
Surrogate: 1,2-Dichloroethane-d4	*8.96*		*"*	*10.0*		*89.6*	*69-130*				
Surrogate: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70726 - EPA 3015A											
Blank (BD70726-BLK1)								Prepared & Analyzed: 04/17/2017			
Iron - Dissolved	ND	0.0200	mg/L								
Duplicate (BD70726-DUP1)	*Source sample: 17D0363-01 (WQ040717:1355NP2-10)							Prepared & Analyzed: 04/17/2017			
Iron - Dissolved	0.453	0.0222	mg/L		0.0600				153	20	Non-dir.
Matrix Spike (BD70726-MS1)	*Source sample: 17D0363-01 (WQ040717:1355NP2-10)							Prepared & Analyzed: 04/17/2017			
Iron - Dissolved	1.36	0.0222	mg/L	1.11	0.0600	117	75-125				
Reference (BD70726-SRM1)								Prepared & Analyzed: 04/17/2017			
Iron - Dissolved	0.820		ug/mL	0.759		108	84.9-115				
Batch BD70728 - EPA 200.7											
Blank (BD70728-BLK1)								Prepared & Analyzed: 04/17/2017			
Iron	0.0351	0.0200	mg/L								
Duplicate (BD70728-DUP1)	*Source sample: 17D0363-01 (WQ040717:1355NP2-10)							Prepared & Analyzed: 04/17/2017			
Iron	3.16	0.0222	mg/L		3.62				13.6	20	
Matrix Spike (BD70728-MS1)	*Source sample: 17D0363-01 (WQ040717:1355NP2-10)							Prepared & Analyzed: 04/17/2017			
Iron	4.29	0.0222	mg/L	1.11	3.62	60.1	75-125	Low Bias			
Reference (BD70728-SRM1)								Prepared & Analyzed: 04/17/2017			
Iron	0.663		ug/mL	0.759		87.3	84.9-115				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70455 - % Solids Prep											
Blank (BD70455-BLK1)											Prepared: 04/11/2017 Analyzed: 04/12/2017
Total Dissolved Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17D0361-01	WQ040717:1550NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17D0363-01	WQ040717:1355NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QM-03	Multiple analyses indicate the percent recovery exceeds the Quality Control acceptance criteria due to a matrix effect.
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-MISpk	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The SRM was within acceptance limits, therefore data are acceptable.
M-LSRD	Original sample conc <50 X reporting limit.
M-BCCB	Analyte in CCB > MDL. Sample conc. >10 X blank 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.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record

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

York Project No. 17D0361 (~~363~~) JE

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries.	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr. Suite 301 Shelton, CT 06484	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	NABSAG.	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address:	E-Mail Address:	Samples from: CT __ NY X NJ __	RUSH - Four Day ☐	NY ASP A Package
				Standard (5-7 Days) X	NY ASP B Package NP2-10 only, pdf.
					NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
Simple Excel X
NYSDEC EQuIS
EQuIS (std)
EZ-EDD (EQuIS)
NJDEP SRP HazSite EDD
GIS/KEY (std)
Other
York Regulatory Comparison
Excel Spreadsheet
Compare to the following Regs. (please fill in):

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): [signature]
Evan Foster
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded	Aquatic Tox.
Halog. only	NJDEP list	App. IX	Chlordane	Indiv. Metals LIST Below	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest		Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ040717:1550NP2-6	4-7-17	GW	[redacted] / VOCs, 8260 List (EPA SW845-8260B) plus freon 113	3 voa's
WQ040717:1355NP2-10	↓	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW845-8260B) plus freon 113 / TDS (SM 2540C)	3 voa's, 3 Plastics
			[signature] 4/11/17 11:40	

Comments

Preservation — Check those Applicable: 4°C X Frozen __ HCl X MeOH __ HNO₃ X H₂SO₄ __ NaOH __ ZnAc __ Ascorbic Acid __ Other __

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	4/7/17 1800	LBG Fridge	4/7/17 1800
Samples Relinquished By	Date/Time	Samples Received in LAB by [signature]	4/11/17 1422

Temperature on Receipt 5.9 °C

(system)

YORK ANALYTICAL LABORATORIES, INC.

120 Research Dr. Stratford, CT 06615
(203) 325-1371 Fax (203) 357-0166

Field Chain-of-Custody Record

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

York Project No. 17D0363

YOUR Information

Company: LBG
Address: 4 Research Dr, Suite 301 Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGLT.com

Report To:

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

Invoice To:

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

YOUR Project ID

Rowe Industries.

Purchase Order No.

HABSAG.

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package ___
- CTRCP DQA/DUE Pkg ___
- NY ASP A Package ___
- NY ASP B Package NP2-10 only, pdf.
- NJDEP Red. Deliv. ___

Electronic Data Deliverables (EDD)

- Simple Excel X
- NYSDEC EQuIS ___
- EQuIS (std) ___
- EZ-EDD (EQuIS) ___
- NJDEP SRP HazSite EDD ___
- GIS/KEY (std) ___
- Other ___

York Regulatory Comparison

Excel Spreadsheet

Compare to the following Regs. (please fill in):

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded (No Dioxins/Furans)	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded (Full List)	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Ionic Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ0407[illegible]: 1550 NP2-6	4-7-17	GW	[illegible] VOCs, 8260 List (EPA SW846-8260B) plus freon 113	3 VOA's
WQ0407[illegible]: 1355 NP2-10	1	GW	Fe by EPA 200.7 / Fe, Dissolved by EPA 6010 (SW846-6010B) / VOCs 8260 List (EPA SW846-8260B) plus freon 113 / TDS (SM 2540c)	3 VOA's, 3 Plastics
			Hugh Foster 4/11/17 11:40	

Comments

Preservation Check those Applicable

°C X Frozen ___ HCl X MeOH ___ HNO_3 X H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
	4/7/17 1800	LBG Fridge	4/7/17 1800
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time
		4/11/17	1422

Temperature on Receipt 5.9 °C

(system)

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

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 04/18/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17D0370

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 04/18/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17D0370

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 11, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17D0370-01	WQ040717:1330NP1-1-2	Water	04/07/2017	04/11/2017

General Notes for York Project (SDG) No.: 17D0370

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/18/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ040717:1330NP1-1-2 **York Sample ID:** 17D0370-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0370	Rowe Industries	Water	April 7, 2017 1:30 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS

Sample Information

Client Sample ID: WQ040717:1330NP1-1-2 **York Sample ID:** 17D0370-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0370	Rowe Industries	Water	April 7, 2017 1:30 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 NELAC-NY10854,NJDEP	04/18/2017 08:08	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 17:32 CTDOH,NELAC-NY10854,NJDEP	04/18/2017 08:08	SS

Sample Information

Client Sample ID: WQ040717:1330NP1-1-2 **York Sample ID:** 17D0370-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0370	Rowe Industries	Water	April 7, 2017 1:30 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
91-20-3	**Naphthalene**	**1.3**	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	04/17/2017 17:32	04/18/2017 08:08	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	04/17/2017 17:32	04/18/2017 08:08	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
127-18-4	**Tetrachloroethylene**	**0.53**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
79-01-6	**Trichloroethylene**	**0.55**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	04/17/2017 17:32	04/18/2017 08:08	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*103 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*111 %*	*79-122*

Analytical Batch Summary

Batch ID: BD70743 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17D0370-01	WQ040717:1330NP1-1-2	04/17/17
BD70743-BLK1	Blank	04/17/17
BD70743-BS1	LCS	04/17/17
BD70743-BSD1	LCS Dup	04/17/17

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70743 - EPA 5030B											
Blank (BD70743-BLK1)											
Prepared: 04/17/2017 Analyzed: 04/18/2017											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	0.48	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

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 BD70743 - EPA 5030B											
Blank (BD70743-BLK1)								Prepared: 04/17/2017 Analyzed: 04/18/2017			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.9*		*"*	*10.0*		*119*	*79-122*				
LCS (BD70743-BS1)								Prepared & Analyzed: 04/17/2017			
1,1,1,2-Tetrachloroethane	8.87		ug/L	10.0		88.7	82-126				
1,1,1-Trichloroethane	9.81		"	10.0		98.1	78-136				
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.57		"	10.0		95.7	54-165				
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123				
1,1-Dichloroethane	9.99		"	10.0		99.9	82-129				
1,1-Dichloroethylene	9.95		"	10.0		99.5	68-138				
1,1-Dichloropropylene	10.2		"	10.0		102	83-133				
1,2,3-Trichlorobenzene	13.3		"	10.0		133	76-136				
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	82-132				
1,2-Dibromo-3-chloropropane	11.0		"	10.0		110	45-147				
1,2-Dibromoethane	9.86		"	10.0		98.6	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	9.62		"	10.0		96.2	73-132				
1,2-Dichloropropane	10.9		"	10.0		109	78-126				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131				
1,3-Dichlorobenzene	9.45		"	10.0		94.5	86-122				
1,3-Dichloropropane	10.5		"	10.0		105	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	9.33		"	10.0		93.3	56-150				
2-Chlorotoluene	10.8		"	10.0		108	79-130				
2-Hexanone	14.0		"	10.0		140	51-146				
4-Chlorotoluene	11.7		"	10.0		117	79-128				
Acetone	16.0		"	10.0		160	14-150	High Bias			
Benzene	9.88		"	10.0		98.8	85-126				
Bromobenzene	11.3		"	10.0		113	78-129				
Bromochloromethane	11.0		"	10.0		110	77-128				
Bromodichloromethane	10.7		"	10.0		107	79-128				
Bromoform	9.10		"	10.0		91.0	78-133				
Bromomethane	4.28		"	10.0		42.8	43-168	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
Batch BD70743 - EPA 5030B											
LCS (BD70743-BS1)								Prepared & Analyzed: 04/17/2017			
Carbon tetrachloride	9.47		ug/L	10.0		94.7	77-141				
Chlorobenzene	9.83		"	10.0		98.3	88-120				
Chloroethane	8.79		"	10.0		87.9	65-136				
Chloroform	9.89		"	10.0		98.9	82-128				
Chloromethane	5.57		"	10.0		55.7	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Dibromochloromethane	9.70		"	10.0		97.0	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	5.42		"	10.0		54.2	44-144				
Ethyl Benzene	9.89		"	10.0		98.9	80-131				
Hexachlorobutadiene	10.3		"	10.0		103	67-146				
Isopropylbenzene	11.7		"	10.0		117	76-140				
Methyl tert-butyl ether (MTBE)	9.97		"	10.0		99.7	76-135				
Methylene chloride	9.97		"	10.0		99.7	55-137				
Naphthalene	11.7		"	10.0		117	70-147				
n-Butylbenzene	11.9		"	10.0		119	79-132				
n-Propylbenzene	12.0		"	10.0		120	78-133				
o-Xylene	9.99		"	10.0		99.9	78-130				
p- & m- Xylenes	20.2		"	20.0		101	77-133				
p-Isopropyltoluene	10.5		"	10.0		105	81-136				
sec-Butylbenzene	12.0		"	10.0		120	79-137				
Styrene	9.40		"	10.0		94.0	67-132				
tert-Butylbenzene	11.5		"	10.0		115	77-138				
Tetrachloroethylene	16.8		"	10.0		168	82-131	High Bias			
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	9.88		"	10.0		98.8	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	10.5		"	10.0		105	82-128				
Trichlorofluoromethane	9.06		"	10.0		90.6	67-139				
Vinyl Chloride	7.67		"	10.0		76.7	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.7*		*"*	*10.0*		*117*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70743 - EPA 5030B											
LCS Dup (BD70743-BSD1)								Prepared & Analyzed: 04/17/2017			
1,1,1,2-Tetrachloroethane	8.73		ug/L	10.0		87.3	82-126		1.59	30	
1,1,1-Trichloroethane	9.74		"	10.0		97.4	78-136		0.716	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		2.10	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.47		"	10.0		94.7	54-165		1.05	30	
1,1,2-Trichloroethane	9.73		"	10.0		97.3	82-123		2.94	30	
1,1-Dichloroethane	9.83		"	10.0		98.3	82-129		1.61	30	
1,1-Dichloroethylene	9.74		"	10.0		97.4	68-138		2.13	30	
1,1-Dichloropropylene	10.0		"	10.0		100	83-133		1.58	30	
1,2,3-Trichlorobenzene	15.0		"	10.0		150	76-136	High Bias	12.6	30	
1,2,3-Trichloropropane	9.76		"	10.0		97.6	77-128		7.50	30	
1,2,4-Trichlorobenzene	11.6		"	10.0		116	76-137		12.7	30	
1,2,4-Trimethylbenzene	9.90		"	10.0		99.0	82-132		6.83	30	
1,2-Dibromo-3-chloropropane	12.1		"	10.0		121	45-147		9.61	30	
1,2-Dibromoethane	9.85		"	10.0		98.5	83-124		0.101	30	
1,2-Dichlorobenzene	9.80		"	10.0		98.0	79-123		2.22	30	
1,2-Dichloroethane	9.78		"	10.0		97.8	73-132		1.65	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		1.02	30	
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131		5.94	30	
1,3-Dichlorobenzene	9.02		"	10.0		90.2	86-122		4.66	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		1.15	30	
1,4-Dichlorobenzene	9.58		"	10.0		95.8	85-124		5.48	30	
2,2-Dichloropropane	9.37		"	10.0		93.7	56-150		0.428	30	
2-Chlorotoluene	10.1		"	10.0		101	79-130		7.36	30	
2-Hexanone	12.0		"	10.0		120	51-146		15.3	30	
4-Chlorotoluene	10.8		"	10.0		108	79-128		8.38	30	
Acetone	12.3		"	10.0		123	14-150		25.8	30	
Benzene	9.75		"	10.0		97.5	85-126		1.32	30	
Bromobenzene	10.4		"	10.0		104	78-129		8.77	30	
Bromochloromethane	10.4		"	10.0		104	77-128		4.96	30	
Bromodichloromethane	10.5		"	10.0		105	79-128		1.98	30	
Bromoform	8.79		"	10.0		87.9	78-133		3.47	30	
Bromomethane	4.01		"	10.0		40.1	43-168	Low Bias	6.51	30	
Carbon tetrachloride	9.29		"	10.0		92.9	77-141		1.92	30	
Chlorobenzene	9.81		"	10.0		98.1	88-120		0.204	30	
Chloroethane	8.81		"	10.0		88.1	65-136		0.227	30	
Chloroform	9.91		"	10.0		99.1	82-128		0.202	30	
Chloromethane	5.74		"	10.0		57.4	43-155		3.01	30	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129		0.885	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131		2.36	30	
Dibromochloromethane	9.45		"	10.0		94.5	80-130		2.61	30	
Dibromomethane	10.6		"	10.0		106	72-134		3.26	30	
Dichlorodifluoromethane	5.28		"	10.0		52.8	44-144		2.62	30	
Ethyl Benzene	9.84		"	10.0		98.4	80-131		0.507	30	
Hexachlorobutadiene	11.1		"	10.0		111	67-146		7.58	30	
Isopropylbenzene	10.9		"	10.0		109	76-140		7.09	30	
Methyl tert-butyl ether (MTBE)	9.79		"	10.0		97.9	76-135		1.82	30	
Methylene chloride	9.91		"	10.0		99.1	55-137		0.604	30	
Naphthalene	15.0		"	10.0		150	70-147	High Bias	24.2	30	
n-Butylbenzene	11.2		"	10.0		112	79-132		6.23	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		7.90	30	
o-Xylene	9.85		"	10.0		98.5	78-130		1.41	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70743 - EPA 5030B											
LCS Dup (BD70743-BSD1)								Prepared & Analyzed: 04/17/2017			
p- & m- Xylenes	20.1		ug/L	20.0		101	77-133		0.0993	30	
p-Isopropyltoluene	9.95		"	10.0		99.5	81-136		5.00	30	
sec-Butylbenzene	11.2		"	10.0		112	79-137		6.92	30	
Styrene	9.33		"	10.0		93.3	67-132		0.747	30	
tert-Butylbenzene	10.6		"	10.0		106	77-138		7.68	30	
Tetrachloroethylene	10.7		"	10.0		107	82-131		44.2	30	Non-dir.
Toluene	10.2		"	10.0		102	80-127		0.588	30	
trans-1,2-Dichloroethylene	9.69		"	10.0		96.9	80-132		1.94	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131		0.675	30	
Trichloroethylene	10.4		"	10.0		104	82-128		1.53	30	
Trichlorofluoromethane	9.08		"	10.0		90.8	67-139		0.221	30	
Vinyl Chloride	7.53		"	10.0		75.3	58-145		1.84	30	
Surrogate: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.2*		*"*	*10.0*		*112*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17D0370-01	WQ040717:1330NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

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

---

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

York Project No. 17D0370

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: LBG	Company: Same	Company: Same	Rowe Industries	RUSH - Same Day ☐	Summary Report X, pdf
Address: 4 Research Dr, Suite 301 Shelton, CT 06484	Address:	Address:	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary X, pdf
Phone No. 203-929-8555	Phone No.	Phone No.	MABSAG	RUSH - Two Day ☐	CT RCP Package
Contact Person: Tunde Sandor	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: TSandor@LBGCT.com	E-Mail Address:	E-Mail Address:	Samples from: CT__ NY X NJ__	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☒	NY ASP B Package X, pdf
					NJDEP Red. Deliv.

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): [signature]

Name (printed): Evan Foster

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Electronic Data Deliverables (EDD)
- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- York Regulatory Comparison
- Excel Spreadsheet
- Compare to the following Regs. (please fill in):

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ040717:1530NP11-2	4-7-17	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 voa's

Comments

Preservation (Check those Applicable): 4°C X Frozen HCl X MeOH HNO3 H2SO4 NaOH ZnAc Ascorbic Acid Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	4/7/17 1800	LBG Fridge	4/7/17 1800
[signature] 4/11/17 1140		Samples Received in LAB by [signature]	4/11/17 1422

Temperature on Receipt 5.9 °C

(RW & FRW)

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 04/18/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17D0373

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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Report Date: 04/18/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17D0373

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 11, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17D0373-01	WQ040717:1300 FRW-1	Water	04/07/2017	04/11/2017
17D0373-02	WQ040717:1305 FRW-2	Water	04/07/2017	04/11/2017
17D0373-03	WQ040717:1310 FRW-3	Water	04/07/2017	04/11/2017
17D0373-04	WQ040717:1315 FRW-4	Water	04/07/2017	04/11/2017

General Notes for York Project (SDG) No.: 17D0373

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/18/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: WQ040717:1300 FRW-1 **York Sample ID:** 17D0373-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:00 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
71-55-6	**1,1,1-Trichloroethane**	**2.6**		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS

Sample Information

Client Sample ID: WQ040717:1300 FRW-1 **York Sample ID:** 17D0373-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:00 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-49-8	2-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
67-64-1	**Acetone**	**2.3**	SCAL-E, J	ug/L	2.0	4.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
71-43-2	Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
108-86-1	Bromobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
74-83-9	Bromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
156-59-2	**cis-1,2-Dichloroethylene**	**2.2**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:22	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:22	SS

Sample Information

Client Sample ID: WQ040717:1300 FRW-1 **York Sample ID:** 17D0373-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:00 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
91-20-3	Naphthalene	ND		ug/L	2.0	4.0	2	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
95-47-6	o-Xylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: NELAC-NY10854	04/17/2017 07:45	04/17/2017 16:22	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	1.0	2.0	2	EPA 8260C Certifications: NELAC-NY10854	04/17/2017 07:45	04/17/2017 16:22	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
127-18-4	**Tetrachloroethylene**	**240**		ug/L	2.0	5.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/18/2017 14:26	SS
108-88-3	Toluene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
79-01-6	**Trichloroethylene**	**3.8**		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS
1330-20-7	* Xylenes, Total	ND		ug/L	1.2	3.0	2	EPA 8260C Certifications: CTDOH,NJDEP	04/17/2017 07:45	04/17/2017 16:22	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*103 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*113 %*	*79-122*

Sample Information

Client Sample ID: WQ040717:1305 FRW-2 **York Sample ID:** 17D0373-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:05 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS

Sample Information

Client Sample ID: WQ040717:1305 FRW-2 **York Sample ID:** 17D0373-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:05 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
67-64-1	**Acetone**	**3.1**	SCAL-E	ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 16:48	SS

Sample Information

Client Sample ID: WQ040717:1305 FRW-2 **York Sample ID:** 17D0373-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:05 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS NELAC-NY10854,NJDEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS NELAC-NY10854
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS NELAC-NY10854
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
127-18-4	**Tetrachloroethylene**	**93**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
79-01-6	**Trichloroethylene**	**2.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NELAC-NY10854,NJDEP
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 16:48	SS CTDOH,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*100 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*116 %*	*79-122*

Sample Information

Client Sample ID: WQ040717:1310 FRW-3 **York Sample ID:** 17D0373-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:10 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS

Sample Information

Client Sample ID: WQ040717:1310 FRW-3 **York Sample ID:** 17D0373-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:10 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
156-59-2	**cis-1,2-Dichloroethylene**	**41**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
98-82-8	**Isopropylbenzene**	**0.71**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:13	SS

Sample Information

Client Sample ID: WQ040717:1310 FRW-3 **York Sample ID:** 17D0373-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:10 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
103-65-1	**n-Propylbenzene**	**0.49**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854	04/17/2017 07:45	04/17/2017 17:13	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: NELAC-NY10854	04/17/2017 07:45	04/17/2017 17:13	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
127-18-4	**Tetrachloroethylene**	**65**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
79-01-6	**Trichloroethylene**	**5.0**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
75-01-4	**Vinyl Chloride**	**1.4**		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NJDEP	04/17/2017 07:45	04/17/2017 17:13	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*99.0 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*117 %*	*79-122*

Sample Information

Client Sample ID: WQ040717:1315 FRW-4 **York Sample ID:** 17D0373-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:15 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 NELAC-NY10854,NJDEP	04/17/2017 17:39	SS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45 CTDOH,NELAC-NY10854,NJDEP	04/17/2017 17:39	SS

Sample Information

Client Sample ID: WQ040717:1315 FRW-4 **York Sample ID:** 17D0373-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:15 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	**2-Hexanone**	**3.3**		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
67-64-1	**Acetone**	**1.3**	SCAL-E, J	ug/L	1.0	2.0	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	NELAC-NY10854,NJDEP		
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	NELAC-NY10854,NJDEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
156-59-2	**cis-1,2-Dichloroethylene**	**2.9**		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	NELAC-NY10854,NJDEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	NELAC-NY10854,NJDEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	NELAC-NY10854,NJDEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/17/2017 07:45	04/17/2017 17:39	SS
								Certifications:	CTDOH,NELAC-NY10854,NJDEP		

Sample Information

Client Sample ID: WQ040717:1315 FRW-4 **York Sample ID:** 17D0373-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0373	Rowe Industries	Water	April 7, 2017 1:15 pm	04/11/2017

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 NELAC-NY10854,NJDEP	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 NELAC-NY10854	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 NELAC-NY10854	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
127-18-4	**Tetrachloroethylene**	**7.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
79-01-6	**Trichloroethylene**	**1.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NELAC-NY10854,NJDEP	SS
1330-20-7	* Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	04/17/2017 07:45	04/17/2017 17:39 CTDOH,NJDEP	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*105 %*	*69-130*
2037-26-5	*Surrogate: Toluene-d8*	*104 %*	*81-117*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*118 %*	*79-122*

Analytical Batch Summary

Batch ID: BD70694 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17D0373-01	WQ040717:1300 FRW-1	04/17/17
17D0373-02	WQ040717:1305 FRW-2	04/17/17
17D0373-03	WQ040717:1310 FRW-3	04/17/17
17D0373-04	WQ040717:1315 FRW-4	04/17/17
BD70694-BLK1	Blank	04/17/17
BD70694-BS1	LCS	04/17/17
BD70694-BSD1	LCS Dup	04/17/17

Batch ID: BD70777 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
17D0373-01RE1	WQ040717:1300 FRW-1	04/18/17
BD70777-BLK1	Blank	04/18/17
BD70777-BS1	LCS	04/18/17
BD70777-BSD1	LCS Dup	04/18/17

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70694 - EPA 5030B											
Blank (BD70694-BLK1)											Prepared & Analyzed: 04/17/2017
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	1.1	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.61	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	0.57	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	1.1	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70694 - EPA 5030B											
Blank (BD70694-BLK1)								Prepared & Analyzed: 04/17/2017			
o-Xylene	ND	0.50	ug/L								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.5*		*"*	*10.0*		*115*	*79-122*				
LCS (BD70694-BS1)								Prepared & Analyzed: 04/17/2017			
1,1,1,2-Tetrachloroethane	9.35		ug/L	10.0		93.5	82-126				
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165				
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123				
1,1-Dichloroethane	10.1		"	10.0		101	82-129				
1,1-Dichloroethylene	10.3		"	10.0		103	68-138				
1,1-Dichloropropylene	10.3		"	10.0		103	83-133				
1,2,3-Trichlorobenzene	13.2		"	10.0		132	76-136				
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128				
1,2,4-Trichlorobenzene	11.2		"	10.0		112	76-137				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	11.5		"	10.0		115	45-147				
1,2-Dibromoethane	10.2		"	10.0		102	83-124				
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123				
1,2-Dichloroethane	9.62		"	10.0		96.2	73-132				
1,2-Dichloropropane	10.7		"	10.0		107	78-126				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				
1,3-Dichlorobenzene	9.58		"	10.0		95.8	86-122				
1,3-Dichloropropane	10.8		"	10.0		108	81-125				
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124				
2,2-Dichloropropane	9.36		"	10.0		93.6	56-150				
2-Chlorotoluene	10.6		"	10.0		106	79-130				
2-Hexanone	10.7		"	10.0		107	51-146				
4-Chlorotoluene	11.2		"	10.0		112	79-128				
Acetone	7.93		"	10.0		79.3	14-150				
Benzene	10.1		"	10.0		101	85-126				
Bromobenzene	11.2		"	10.0		112	78-129				
Bromochloromethane	10.7		"	10.0		107	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				
Bromoform	10.0		"	10.0		100	78-133				
Bromomethane	4.30		"	10.0		43.0	43-168				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70694 - EPA 5030B											
LCS (BD70694-BS1)									Prepared & Analyzed: 04/17/2017		
Carbon tetrachloride	10.1		ug/L	10.0		101	77-141				
Chlorobenzene	9.99		"	10.0		99.9	88-120				
Chloroethane	9.44		"	10.0		94.4	65-136				
Chloroform	10.3		"	10.0		103	82-128				
Chloromethane	6.14		"	10.0		61.4	43-155				
cis-1,2-Dichloroethylene	9.90		"	10.0		99.0	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Dibromochloromethane	10.1		"	10.0		101	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	6.24		"	10.0		62.4	44-144				
Ethyl Benzene	9.89		"	10.0		98.9	80-131				
Hexachlorobutadiene	11.6		"	10.0		116	67-146				
Isopropylbenzene	11.5		"	10.0		115	76-140				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135				
Methylene chloride	9.89		"	10.0		98.9	55-137				
Naphthalene	12.7		"	10.0		127	70-147				
n-Butylbenzene	11.4		"	10.0		114	79-132				
n-Propylbenzene	11.5		"	10.0		115	78-133				
o-Xylene	10.0		"	10.0		100	78-130				
p- & m- Xylenes	20.7		"	20.0		103	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
Styrene	9.59		"	10.0		95.9	67-132				
tert-Butylbenzene	11.4		"	10.0		114	77-138				
Tetrachloroethylene	9.54		"	10.0		95.4	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	9.92		"	10.0		99.2	80-132				
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131				
Trichloroethylene	10.5		"	10.0		105	82-128				
Trichlorofluoromethane	10.6		"	10.0		106	67-139				
Vinyl Chloride	8.61		"	10.0		86.1	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.1*		*"*	*10.0*		*101*	*69-130*				
Surrogate: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70694 - EPA 5030B											
LCS Dup (BD70694-BSD1)								Prepared & Analyzed: 04/17/2017			
1,1,1,2-Tetrachloroethane	9.25		ug/L	10.0		92.5	82-126		1.08	30	
1,1,1-Trichloroethane	9.73		"	10.0		97.3	78-136		5.30	30	
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129		0.467	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.56		"	10.0		95.6	54-165		6.48	30	
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123		0.596	30	
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129		2.40	30	
1,1-Dichloroethylene	9.52		"	10.0		95.2	68-138		7.48	30	
1,1-Dichloropropylene	10.0		"	10.0		100	83-133		2.36	30	
1,2,3-Trichlorobenzene	17.4		"	10.0		174	76-136	High Bias	27.7	30	
1,2,3-Trichloropropane	9.93		"	10.0		99.3	77-128		4.33	30	
1,2,4-Trichlorobenzene	13.5		"	10.0		135	76-137		18.8	30	
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132		1.53	30	
1,2-Dibromo-3-chloropropane	12.2		"	10.0		122	45-147		6.32	30	
1,2-Dibromoethane	10.1		"	10.0		101	83-124		1.09	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		0.490	30	
1,2-Dichloroethane	9.28		"	10.0		92.8	73-132		3.60	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		4.49	30	
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131		0.447	30	
1,3-Dichlorobenzene	9.54		"	10.0		95.4	86-122		0.418	30	
1,3-Dichloropropane	10.4		"	10.0		104	81-125		3.87	30	
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124		2.06	30	
2,2-Dichloropropane	9.03		"	10.0		90.3	56-150		3.59	30	
2-Chlorotoluene	10.5		"	10.0		105	79-130		0.190	30	
2-Hexanone	11.3		"	10.0		113	51-146		5.45	30	
4-Chlorotoluene	11.1		"	10.0		111	79-128		0.629	30	
Acetone	9.03		"	10.0		90.3	14-150		13.0	30	
Benzene	9.65		"	10.0		96.5	85-126		4.46	30	
Bromobenzene	11.0		"	10.0		110	78-129		1.26	30	
Bromochloromethane	9.93		"	10.0		99.3	77-128		7.28	30	
Bromodichloromethane	10.6		"	10.0		106	79-128		0.377	30	
Bromoform	9.86		"	10.0		98.6	78-133		1.81	30	
Bromomethane	4.59		"	10.0		45.9	43-168		6.52	30	
Carbon tetrachloride	9.65		"	10.0		96.5	77-141		4.85	30	
Chlorobenzene	10.1		"	10.0		101	88-120		1.10	30	
Chloroethane	9.10		"	10.0		91.0	65-136		3.67	30	
Chloroform	10.0		"	10.0		100	82-128		2.36	30	
Chloromethane	5.78		"	10.0		57.8	43-155		6.04	30	
cis-1,2-Dichloroethylene	9.99		"	10.0		99.9	83-129		0.905	30	
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131		1.32	30	
Dibromochloromethane	9.75		"	10.0		97.5	80-130		3.82	30	
Dibromomethane	10.4		"	10.0		104	72-134		1.46	30	
Dichlorodifluoromethane	5.89		"	10.0		58.9	44-144		5.77	30	
Ethyl Benzene	9.91		"	10.0		99.1	80-131		0.202	30	
Hexachlorobutadiene	12.6		"	10.0		126	67-146		8.26	30	
Isopropylbenzene	11.3		"	10.0		113	76-140		1.93	30	
Methyl tert-butyl ether (MTBE)	9.64		"	10.0		96.4	76-135		5.06	30	
Methylene chloride	9.34		"	10.0		93.4	55-137		5.72	30	
Naphthalene	16.2		"	10.0		162	70-147	High Bias	24.1	30	
n-Butylbenzene	11.4		"	10.0		114	79-132		0.614	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		2.02	30	
o-Xylene	9.89		"	10.0		98.9	78-130		1.21	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70694 - EPA 5030B											
LCS Dup (BD70694-BSD1)								Prepared & Analyzed: 04/17/2017			
p- & m- Xylenes	20.4		ug/L	20.0		102	77-133		1.22	30	
p-Isopropyltoluene	10.5		"	10.0		105	81-136		1.32	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		2.82	30	
Styrene	9.67		"	10.0		96.7	67-132		0.831	30	
tert-Butylbenzene	11.0		"	10.0		110	77-138		3.40	30	
Tetrachloroethylene	9.85		"	10.0		98.5	82-131		3.20	30	
Toluene	10.3		"	10.0		103	80-127		1.17	30	
trans-1,2-Dichloroethylene	9.51		"	10.0		95.1	80-132		4.22	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131		0.288	30	
Trichloroethylene	10.3		"	10.0		103	82-128		1.54	30	
Trichlorofluoromethane	10.1		"	10.0		101	67-139		4.35	30	
Vinyl Chloride	8.07		"	10.0		80.7	58-145		6.47	30	
Surrogate: 1,2-Dichloroethane-d4	*9.91*		*"*	*10.0*		*99.1*	*69-130*				
Surrogate: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.3*		*"*	*10.0*		*113*	*79-122*				
Batch BD70777 - EPA 5030B											
Blank (BD70777-BLK1)								Prepared & Analyzed: 04/18/2017			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	1.2	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	0.40	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								

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 BD70777 - EPA 5030B											
Blank (BD70777-BLK1)											Prepared & Analyzed: 04/18/2017
Carbon tetrachloride	ND	0.50	ug/L								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	1.1	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: 1,2-Dichloroethane-d4	*9.88*		"	*10.0*		*98.8*	*69-130*				
Surrogate: Toluene-d8	*10.1*		"	*10.0*		*101*	*81-117*				
Surrogate: p-Bromofluorobenzene	*12.3*		"	*10.0*		*123*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70777 - EPA 5030B											
LCS (BD70777-BS1)								Prepared & Analyzed: 04/18/2017			
1,1,1,2-Tetrachloroethane	8.54		ug/L	10.0		85.4	82-126				
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.6		"	10.0		106	54-165				
1,1,2-Trichloroethane	9.32		"	10.0		93.2	82-123				
1,1-Dichloroethane	10.1		"	10.0		101	82-129				
1,1-Dichloroethylene	10.8		"	10.0		108	68-138				
1,1-Dichloropropylene	9.91		"	10.0		99.1	83-133				
1,2,3-Trichlorobenzene	13.7		"	10.0		137	76-136	High Bias			
1,2,3-Trichloropropane	9.86		"	10.0		98.6	77-128				
1,2,4-Trichlorobenzene	11.2		"	10.0		112	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	9.45		"	10.0		94.5	83-124				
1,2-Dichlorobenzene	9.96		"	10.0		99.6	79-123				
1,2-Dichloroethane	10.0		"	10.0		100	73-132				
1,2-Dichloropropane	10.4		"	10.0		104	78-126				
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131				
1,3-Dichlorobenzene	9.28		"	10.0		92.8	86-122				
1,3-Dichloropropane	10.2		"	10.0		102	81-125				
1,4-Dichlorobenzene	9.85		"	10.0		98.5	85-124				
2,2-Dichloropropane	9.70		"	10.0		97.0	56-150				
2-Chlorotoluene	10.4		"	10.0		104	79-130				
2-Hexanone	10.8		"	10.0		108	51-146				
4-Chlorotoluene	11.0		"	10.0		110	79-128				
Acetone	9.51		"	10.0		95.1	14-150				
Benzene	9.79		"	10.0		97.9	85-126				
Bromobenzene	10.8		"	10.0		108	78-129				
Bromochloromethane	10.5		"	10.0		105	77-128				
Bromodichloromethane	10.3		"	10.0		103	79-128				
Bromoform	8.85		"	10.0		88.5	78-133				
Bromomethane	4.43		"	10.0		44.3	43-168				
Carbon tetrachloride	9.52		"	10.0		95.2	77-141				
Chlorobenzene	9.55		"	10.0		95.5	88-120				
Chloroethane	10.7		"	10.0		107	65-136				
Chloroform	9.78		"	10.0		97.8	82-128				
Chloromethane	8.44		"	10.0		84.4	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131				
Dibromochloromethane	9.18		"	10.0		91.8	80-130				
Dibromomethane	10.0		"	10.0		100	72-134				
Dichlorodifluoromethane	11.0		"	10.0		110	44-144				
Ethyl Benzene	9.56		"	10.0		95.6	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	11.3		"	10.0		113	76-140				
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135				
Methylene chloride	10.2		"	10.0		102	55-137				
Naphthalene	14.0		"	10.0		140	70-147				
n-Butylbenzene	11.1		"	10.0		111	79-132				
n-Propylbenzene	11.3		"	10.0		113	78-133				
o-Xylene	9.41		"	10.0		94.1	78-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BD70777 - EPA 5030B

LCS (BD70777-BS1) Prepared & Analyzed: 04/18/2017

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
p- & m- Xylenes	19.7		ug/L	20.0		98.4	77-133				
p-Isopropyltoluene	9.97		"	10.0		99.7	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	9.03		"	10.0		90.3	67-132				
tert-Butylbenzene	10.6		"	10.0		106	77-138				
Tetrachloroethylene	9.33		"	10.0		93.3	82-131				
Toluene	9.71		"	10.0		97.1	80-127				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131				
Trichloroethylene	9.83		"	10.0		98.3	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl Chloride	10.2		"	10.0		102	58-145				
Surrogate: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: p-Bromofluorobenzene	*11.8*		*"*	*10.0*		*118*	*79-122*				

LCS Dup (BD70777-BSD1) Prepared & Analyzed: 04/18/2017

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	8.57		ug/L	10.0		85.7	82-126		0.351	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136		2.85	30	
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	76-129		2.53	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0		"	10.0		110	54-165		4.54	30	
1,1,2-Trichloroethane	9.63		"	10.0		96.3	82-123		3.27	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		1.28	30	
1,1-Dichloroethylene	10.8		"	10.0		108	68-138		0.370	30	
1,1-Dichloropropylene	10.5		"	10.0		105	83-133		5.50	30	
1,2,3-Trichlorobenzene	14.6		"	10.0		146	76-136	High Bias	6.52	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		7.05	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		5.77	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		3.88	30	
1,2-Dibromo-3-chloropropane	10.4		"	10.0		104	45-147		2.73	30	
1,2-Dibromoethane	9.69		"	10.0		96.9	83-124		2.51	30	
1,2-Dichlorobenzene	9.94		"	10.0		99.4	79-123		0.201	30	
1,2-Dichloroethane	9.93		"	10.0		99.3	73-132		0.902	30	
1,2-Dichloropropane	10.5		"	10.0		105	78-126		1.63	30	
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131		6.18	30	
1,3-Dichlorobenzene	9.75		"	10.0		97.5	86-122		4.94	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		0.391	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		3.39	30	
2,2-Dichloropropane	9.92		"	10.0		99.2	56-150		2.24	30	
2-Chlorotoluene	10.9		"	10.0		109	79-130		4.88	30	
2-Hexanone	10.2		"	10.0		102	51-146		5.93	30	
4-Chlorotoluene	11.5		"	10.0		115	79-128		4.98	30	
Acetone	9.33		"	10.0		93.3	14-150		1.91	30	
Benzene	10.1		"	10.0		101	85-126		2.92	30	
Bromobenzene	11.4		"	10.0		114	78-129		5.15	30	
Bromochloromethane	10.5		"	10.0		105	77-128		0.285	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		0.0969	30	
Bromoform	8.50		"	10.0		85.0	78-133		4.03	30	
Bromomethane	5.49		"	10.0		54.9	43-168		21.4	30	
Carbon tetrachloride	10.0		"	10.0		100	77-141		4.92	30	
Chlorobenzene	9.72		"	10.0		97.2	88-120		1.76	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70777 - EPA 5030B											
LCS Dup (BD70777-BSD1)								Prepared & Analyzed: 04/18/2017			
Chloroethane	10.6		ug/L	10.0		106	65-136		1.13	30	
Chloroform	10.1		"	10.0		101	82-128		2.82	30	
Chloromethane	8.51		"	10.0		85.1	43-155		0.826	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		0.00	30	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131		0.0981	30	
Dibromochloromethane	8.70		"	10.0		87.0	80-130		5.37	30	
Dibromomethane	10.0		"	10.0		100	72-134		0.299	30	
Dichlorodifluoromethane	11.6		"	10.0		116	44-144		5.57	30	
Ethyl Benzene	9.86		"	10.0		98.6	80-131		3.09	30	
Hexachlorobutadiene	10.4		"	10.0		104	67-146		2.54	30	
Isopropylbenzene	11.8		"	10.0		118	76-140		4.59	30	
Methyl tert-butyl ether (MTBE)	9.92		"	10.0		99.2	76-135		1.20	30	
Methylene chloride	10.2		"	10.0		102	55-137		0.0979	30	
Naphthalene	13.0		"	10.0		130	70-147		7.55	30	
n-Butylbenzene	11.5		"	10.0		115	79-132		3.62	30	
n-Propylbenzene	11.9		"	10.0		119	78-133		4.92	30	
o-Xylene	9.63		"	10.0		96.3	78-130		2.31	30	
p- & m- Xylenes	20.1		"	20.0		101	77-133		2.31	30	
p-Isopropyltoluene	10.4		"	10.0		104	81-136		4.51	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		4.75	30	
Styrene	9.05		"	10.0		90.5	67-132		0.221	30	
tert-Butylbenzene	11.1		"	10.0		111	77-138		4.51	30	
Tetrachloroethylene	9.75		"	10.0		97.5	82-131		4.40	30	
Toluene	10.1		"	10.0		101	80-127		3.74	30	
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132		3.95	30	
trans-1,3-Dichloropropylene	10.4		"	10.0		104	78-131		2.34	30	
Trichloroethylene	10.2		"	10.0		102	82-128		4.18	30	
Trichlorofluoromethane	11.5		"	10.0		115	67-139		4.80	30	
Vinyl Chloride	10.3		"	10.0		103	58-145		1.27	30	
Surrogate: 1,2-Dichloroethane-d4	*9.77*		*"*	*10.0*		*97.7*	*69-130*				
Surrogate: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: p-Bromofluorobenzene	*12.0*		*"*	*10.0*		*120*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
17D0373-01	WQ040717:1300 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17D0373-02	WQ040717:1305 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17D0373-03	WQ040717:1310 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
17D0373-04	WQ040717:1315 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
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.

---

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

York Project No. 17D0373

YOUR Information
Company: LBG
Address: 4 Research Dr, Suite 301 Shelton, CT 06484
Phone No. 203-929-8555
Contact Person: Tunde Sandor
E-Mail Address: TSandor@LBGCT.com

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

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

YOUR Project ID
Rowe Industries.

Purchase Order No.
NABSAG

Samples from: CT ___ NY X NJ ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package X, pdf
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)
- Simple Excel X
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other
- **York Regulatory Comparison**
- **Excel Spreadsheet**

Compare to the following Regs. (please fill in):

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

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

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

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dissolved Fraction	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
WQ040717: 1300 FRW-1	4-7-17	GW	VOC 8260 full list (EPA SW846-8260B) plus freon 113	3 VOA's
WQ040717: 1305 FRW-2				"
WQ040717: 1310 FRW-3				"
WQ040717: 1315 FRW-4				

Hugh Foster 4/11/17 11:40

Comments

Preservation Check those Applicable: 4°C X Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — 4/12/17 1800 Date/Time

Samples Relinquished By — Date/Time

Samples Received By: LBG Fridge 4/12/17 1800 Date/Time

Samples Received in LAB by: 4/11/17 1422 Date/Time

Temperature on Receipt: 5.9 °C

(RW & FRW)

APPENDIX III

APRIL 2017 LABORATORY ANALYTICAL REPORTS FOR AIR SAMPLES

Technical Report

prepared for:

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 04/17/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17D0396

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 04/17/2017
Client Project ID: Rowe Industries
York Project (SDG) No.: 17D0396

Leggette Brashears & Graham Shelton Office
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 11, 2017 and listed below. The project was identified as your project: **Rowe Industries**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
17D0396-01	AQ040717:1400NP4-1	Vapor Extraction	04/07/2017	04/11/2017
17D0396-02	AQ040717:1405NP4-2	Vapor Extraction	04/07/2017	04/11/2017

General Notes for York Project (SDG) No.: 17D0396

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
9. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 04/17/2017

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: AQ040717:1400NP4-1 **York Sample ID:** 17D0396-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0396	Rowe Industries	Vapor Extraction	April 7, 2017 2:00 pm	04/11/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.5	2.191	EPA TO-15 Certifications:	04/13/2017 09:38	04/13/2017 09:38	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.2	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.5	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.7	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.2	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.89	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.87	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.6	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	1.1	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.7	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.3	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.89	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.0	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.5	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.1	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	1.5	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.3	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.0	2.191	EPA TO-15 Certifications:	04/13/2017 09:38	04/13/2017 09:38	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.3	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	1.6	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
78-93-3	2-Butanone	ND		ug/m³	0.65	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	1.8	2.191	EPA TO-15 Certifications:	04/13/2017 09:38	04/13/2017 09:38	LDS

Sample Information

Client Sample ID: AQ040717:1400NP4-1 **York Sample ID:** 17D0396-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0396	Rowe Industries	Vapor Extraction	April 7, 2017 2:00 pm	04/11/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	3.4	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.90	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
67-64-1	**Acetone**	**2.5**		ug/m³	1.0	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.48	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
71-43-2	Benzene	ND		ug/m³	0.70	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
100-44-7	Benzyl chloride	ND		ug/m³	1.1	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	1.5	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-25-2	Bromoform	ND		ug/m³	2.3	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
74-83-9	Bromomethane	ND		ug/m³	0.85	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-15-0	Carbon disulfide	ND		ug/m³	0.68	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
56-23-5	Carbon tetrachloride	ND		ug/m³	0.34	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
108-90-7	Chlorobenzene	ND		ug/m³	1.0	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-00-3	Chloroethane	ND		ug/m³	0.58	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
67-66-3	Chloroform	ND		ug/m³	1.1	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
74-87-3	**Chloromethane**	**1.8**		ug/m³	0.45	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.87	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.99	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.75	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	1.9	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-71-8	**Dichlorodifluoromethane**	**2.5**		ug/m³	1.1	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	1.6	2.191	EPA TO-15 Certifications:	04/13/2017 09:38	04/13/2017 09:38	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.95	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.3	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS

Sample Information

Client Sample ID: AQ040717:1400NP4-1 **York Sample ID:** 17D0396-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0396	Rowe Industries	Vapor Extraction	April 7, 2017 2:00 pm	04/11/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-63-0	Isopropanol	ND		ug/m³	1.1	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
80-62-6	Methyl Methacrylate	ND		ug/m³	0.90	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.79	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-09-2	Methylene chloride	ND		ug/m³	1.5	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
142-82-5	n-Heptane	ND		ug/m³	0.90	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
110-54-3	n-Hexane	ND		ug/m³	0.77	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
95-47-6	o-Xylene	ND		ug/m³	0.95	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.9	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	1.1	2.191	EPA TO-15 Certifications:	04/13/2017 09:38	04/13/2017 09:38	LDS
115-07-1	*** Propylene**	**0.79**		ug/m³	0.38	2.191	EPA TO-15 Certifications:	04/13/2017 09:38	04/13/2017 09:38	LDS
100-42-5	Styrene	ND		ug/m³	0.93	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
127-18-4	**Tetrachloroethylene**	**0.89**		ug/m³	0.37	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.3	2.191	EPA TO-15 Certifications:	04/13/2017 09:38	04/13/2017 09:38	LDS
108-88-3	Toluene	ND		ug/m³	0.83	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.87	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.99	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.29	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.5**		ug/m³	1.2	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.77	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.96	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.56	2.191	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 09:38	04/13/2017 09:38	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*92.5 %*	*72-118*

Sample Information

Client Sample ID: AQ040717:1405NP4-2 **York Sample ID:** 17D0396-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0396	Rowe Industries	Vapor Extraction	April 7, 2017 2:05 pm	04/11/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	1.4	2.016	EPA TO-15 Certifications:	04/13/2017 10:44	04/13/2017 10:44	LDS
71-55-6	**1,1,1-Trichloroethane**	**1.8**		ug/m³	1.1	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	1.4	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	1.5	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.1	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m³	0.82	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.80	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	1.5	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	0.99	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m³	1.5	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	1.2	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m³	0.82	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m³	0.93	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	1.4	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	0.99	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
106-99-0	1,3-Butadiene	ND		ug/m³	1.3	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	1.2	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	0.93	2.016	EPA TO-15 Certifications:	04/13/2017 10:44	04/13/2017 10:44	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	1.2	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
123-91-1	1,4-Dioxane	ND		ug/m³	1.5	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
78-93-3	2-Butanone	ND		ug/m³	0.59	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS
591-78-6	* 2-Hexanone	ND		ug/m³	1.7	2.016	EPA TO-15 Certifications:	04/13/2017 10:44	04/13/2017 10:44	LDS
107-05-1	3-Chloropropene	ND		ug/m³	3.2	2.016	EPA TO-15 Certifications:	04/13/2017 10:44 NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	LDS

Sample Information

Client Sample ID: AQ040717:1405NP4-2 **York Sample ID:** 17D0396-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0396	Rowe Industries	Vapor Extraction	April 7, 2017 2:05 pm	04/11/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	0.83	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
67-64-1	**Acetone**	**1.9**		ug/m³	0.96	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
107-13-1	Acrylonitrile	ND		ug/m³	0.44	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
71-43-2	Benzene	ND		ug/m³	0.64	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
100-44-7	Benzyl chloride	ND		ug/m³	1.0	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
75-27-4	Bromodichloromethane	ND		ug/m³	1.4	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
75-25-2	Bromoform	ND		ug/m³	2.1	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
74-83-9	Bromomethane	ND		ug/m³	0.78	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
75-15-0	**Carbon disulfide**	**0.75**		ug/m³	0.63	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
56-23-5	**Carbon tetrachloride**	**0.63**		ug/m³	0.32	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
108-90-7	Chlorobenzene	ND		ug/m³	0.93	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
75-00-3	Chloroethane	ND		ug/m³	0.53	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
67-66-3	Chloroform	ND		ug/m³	0.98	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
74-87-3	**Chloromethane**	**1.0**		ug/m³	0.42	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
156-59-2	**cis-1,2-Dichloroethylene**	**3.3**		ug/m³	0.80	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	0.91	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
110-82-7	Cyclohexane	ND		ug/m³	0.69	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
124-48-1	Dibromochloromethane	ND		ug/m³	1.7	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
75-71-8	**Dichlorodifluoromethane**	**2.1**		ug/m³	1.0	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
141-78-6	* Ethyl acetate	ND		ug/m³	1.5	2.016	EPA TO-15 Certifications:	04/13/2017 10:44	04/13/2017 10:44	LDS
100-41-4	Ethyl Benzene	ND		ug/m³	0.88	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m³	2.2	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
67-63-0	Isopropanol	ND		ug/m³	0.99	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS

Sample Information

Client Sample ID: AQ040717:1405NP4-2 **York Sample ID:** 17D0396-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
17D0396	Rowe Industries	Vapor Extraction	April 7, 2017 2:05 pm	04/11/2017

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
80-62-6	Methyl Methacrylate	ND		ug/m³	0.83	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	0.73	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
75-09-2	**Methylene chloride**	**3.2**		ug/m³	1.4	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
142-82-5	n-Heptane	ND		ug/m³	0.83	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
110-54-3	**n-Hexane**	**2.8**		ug/m³	0.71	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
95-47-6	o-Xylene	ND		ug/m³	0.88	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
179601-23-1	p- & m- Xylenes	ND		ug/m³	1.8	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
622-96-8	* p-Ethyltoluene	ND		ug/m³	0.99	2.016	EPA TO-15 Certifications:	04/13/2017 10:44	04/13/2017 10:44	LDS
115-07-1	*** Propylene**	**0.69**		ug/m³	0.35	2.016	EPA TO-15 Certifications:	04/13/2017 10:44	04/13/2017 10:44	LDS
100-42-5	Styrene	ND		ug/m³	0.86	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
127-18-4	**Tetrachloroethylene**	**0.68**		ug/m³	0.34	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m³	1.2	2.016	EPA TO-15 Certifications:	04/13/2017 10:44	04/13/2017 10:44	LDS
108-88-3	Toluene	ND		ug/m³	0.76	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	0.80	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	0.91	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
79-01-6	Trichloroethylene	ND		ug/m³	0.27	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
75-69-4	**Trichlorofluoromethane (Freon 11)**	**1.6**		ug/m³	1.1	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
108-05-4	Vinyl acetate	ND		ug/m³	0.71	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
593-60-2	Vinyl bromide	ND		ug/m³	0.88	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS
75-01-4	Vinyl Chloride	ND		ug/m³	0.52	2.016	EPA TO-15 Certifications: NELAC-NY10854-Queens,NJDEP-Queens	04/13/2017 10:44	04/13/2017 10:44	LDS

	Surrogate Recoveries	Result	Acceptance Range
460-00-4	*Surrogate: p-Bromofluorobenzene*	*91.6 %*	*72-118*

Analytical Batch Summary

Batch ID: BD70575 **Preparation Method:** EPA TO15 PREP **Prepared By:** LDS

YORK Sample ID	Client Sample ID	Preparation Date
17D0396-01	AQ040717:1400NP4-1	04/13/17
17D0396-02	AQ040717:1405NP4-2	04/13/17
BD70575-BLK1	Blank	04/12/17
BD70575-BS1	LCS	04/12/17

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70575 - EPA TO15 PREP											
Blank (BD70575-BLK1)											Prepared & Analyzed: 04/12/2017
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.40	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.40	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70575 - EPA TO15 PREP											
Blank (BD70575-BLK1)									Prepared & Analyzed: 04/12/2017		
n-Hexane	ND	0.35	ug/m³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.26	"								
Surrogate: p-Bromofluorobenzene	*9.21*		*ppbv*	*10.0*		*92.1*	*72-118*				
LCS (BD70575-BS1)									Prepared & Analyzed: 04/12/2017		
1,1,1,2-Tetrachloroethane	10.5		ppbv	10.0		105	70-130				
1,1,1-Trichloroethane	10.5		"	10.0		105	70-130				
1,1,2,2-Tetrachloroethane	10.9		"	10.0		109	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.9		"	10.0		109	70-130				
1,1,2-Trichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethane	10.3		"	10.0		103	70-130				
1,1-Dichloroethylene	10.1		"	10.0		101	70-130				
1,2,4-Trichlorobenzene	9.85		"	10.0		98.5	70-130				
1,2,4-Trimethylbenzene	10.6		"	10.0		106	70-130				
1,2-Dibromoethane	10.4		"	10.0		104	70-130				
1,2-Dichlorobenzene	10.4		"	10.0		104	70-130				
1,2-Dichloroethane	10.1		"	10.0		101	70-130				
1,2-Dichloropropane	10.1		"	10.0		101	70-130				
1,2-Dichlorotetrafluoroethane	11.8		"	10.0		118	70-130				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	70-130				
1,3-Butadiene	12.4		"	10.0		124	70-130				
1,3-Dichlorobenzene	10.2		"	10.0		102	70-130				
1,3-Dichloropropane	10.0		"	10.0		100	70-130				
1,4-Dichlorobenzene	9.99		"	10.0		99.9	70-130				
1,4-Dioxane	8.55		"	10.0		85.5	70-130				
2-Butanone	9.48		"	10.0		94.8	70-130				
2-Hexanone	8.84		"	10.0		88.4	70-130				
3-Chloropropene	10.3		"	10.0		103	70-130				
4-Methyl-2-pentanone	9.60		"	10.0		96.0	70-130				
Acetone	8.48		"	10.0		84.8	70-130				
Acrylonitrile	10.8		"	10.0		108	70-130				
Benzene	10.1		"	10.0		101	70-130				
Benzyl chloride	10.7		"	10.0		107	70-130				
Bromodichloromethane	10.4		"	10.0		104	70-130				
Bromoform	11.0		"	10.0		110	70-130				
Bromomethane	10.5		"	10.0		105	70-130				
Carbon disulfide	11.3		"	10.0		113	70-130				

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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD70575 - EPA TO15 PREP											
LCS (BD70575-BS1)								Prepared & Analyzed: 04/12/2017			
Carbon tetrachloride	10.7		ppbv	10.0		107	70-130				
Chlorobenzene	10.4		"	10.0		104	70-130				
Chloroethane	11.1		"	10.0		111	70-130				
Chloroform	10.4		"	10.0		104	70-130				
Chloromethane	13.1		"	10.0		131	70-130	High Bias			
cis-1,2-Dichloroethylene	9.01		"	10.0		90.1	70-130				
cis-1,3-Dichloropropylene	11.6		"	10.0		116	70-130				
Cyclohexane	10.2		"	10.0		102	70-130				
Dibromochloromethane	10.3		"	10.0		103	70-130				
Dichlorodifluoromethane	11.4		"	10.0		114	70-130				
Ethyl acetate	10.5		"	10.0		105	70-130				
Ethyl Benzene	10.5		"	10.0		105	70-130				
Hexachlorobutadiene	10.6		"	10.0		106	70-130				
Isopropanol	10.8		"	10.0		108	70-130				
Methyl Methacrylate	10.4		"	10.0		104	70-130				
Methyl tert-butyl ether (MTBE)	9.90		"	10.0		99.0	70-130				
Methylene chloride	10.2		"	10.0		102	70-130				
n-Heptane	10.2		"	10.0		102	70-130				
n-Hexane	10.4		"	10.0		104	70-130				
o-Xylene	10.7		"	10.0		107	70-130				
p- & m- Xylenes	21.1		"	20.0		105	70-130				
p-Ethyltoluene	11.2		"	10.0		112	70-130				
Propylene	11.1		"	10.0		111	70-130				
Styrene	10.6		"	10.0		106	70-130				
Tetrachloroethylene	7.97		"	10.0		79.7	70-130				
Tetrahydrofuran	9.89		"	10.0		98.9	70-130				
Toluene	10.1		"	10.0		101	70-130				
trans-1,2-Dichloroethylene	10.8		"	10.0		108	70-130				
trans-1,3-Dichloropropylene	11.4		"	10.0		114	70-130				
Trichloroethylene	10.5		"	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	11.0		"	10.0		110	70-130				
Vinyl acetate	12.2		"	10.0		122	70-130				
Vinyl bromide	11.4		"	10.0		114	70-130				
Vinyl Chloride	12.2		"	10.0		122	70-130				
Surrogate: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*72-118*				

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.
CCV-A	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>30% Difference for average Rf). This applies to dectected analytes only.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

YORK
ANALYTICAL LABORATORIES, INC.

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

Field Chain-of-Custody Record - AIR

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. 17D0396

YOUR Information	Report To:	Invoice To:
Company: LBG	Company: Same	Company: Same
Address: 4 Research Dr, Suite 301 Shelton, CT 06484	Address:	Address:
Phone No. 203-929-8555	Phone No.	Phone No.
Contact Person: Tunde Sandor	Attention:	Attention:
E-Mail Address: TSandor@LBGCT.com	E-Mail Address:	E-Mail Address:

YOUR Project ID: Rowe Industries

Purchase Order No.: NABSAG

Samples from: CT___ NY X NJ___

Turn-Around Time
- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type/Deliverables
- Summary Report X, pdf
- Summary w/ QA Summary X, pdf
- CT RCP Package ___
- NY ASP A Package ___
- NY ASP B/CLP Pkg X, pdf
- NJDEP Reduced ___

Electronic Deliverables:
- EDD (Specify Type) ___
- Standard Excel X
- Regulatory Comparison Excel ___

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

Samples Collected/Authorized By (Signature)

Evan Foster
Name (printed)

Air Matrix Codes

AI -	INDOOR Ambient Air
AO-	OUTDOOR Amb. Air
AE-	Vapor Extraction Well/ Process Gas/Effluent
AS-	SOIL Vapor/Sub-Slab

TO15 Volatiles and Other Gas Analyses

EPA TO-15 List	EPA TO-14A List
NYSDEC VI list	Tentatively Identified Compounds
NYSDEC STARS List	Air VPH
Project Specific List by TO-15	Helium
NJDEP Target List	Methane
CTDEP RCP Target List	OTHER___

Detection Limits Required
- ≤ 1 ug/m³ ___
- NYSDEC VI Limits ___ (VI = vapor intrusion)
- NJDEP low level ___
- Routine Survey ___
- Other___

Special Instructions

Sample Identification	Date Sampled	AIR Matrix	Canister Vacuum Before Sampling (in. Hg)	Canister Vacuum After Sampling (in. Hg)	Choose Analyses Needed from the Menu Above and Enter Below	Sampling Media
AS040717:1400NP4-1	4-7-17	AE			EPA TO-15 List.	6 Liter Summa canister X / Tedlar Bag ___
AQ040717:1405 NP4-2	4-7-17	AE			↓	6 Liter Summa canister X / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___
					Hugh Ford 4/11/17 11:45	6 Liter Summa canister ___ / Tedlar Bag ___
						6 Liter Summa canister ___ / Tedlar Bag ___

Comments

Samples Relinquished By — Date/Time: 4/7/17 1800

Samples Relinquished By — Date/Time: 04/11/17 10:40 PM

Samples Received By: LBG Fridge — Date/Time: 4/7/17 1800

Samples Received in LAB by — Date/Time: 4-11-17 2240