

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	---	---
1-Jun-17	6.5	127	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	0.10	0.097
6-Jul-17	6.5	159	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	0.46	ND<0.02
1-Aug-17	6.8	143	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	3.00	0.193
5-Sep-17	6.8	298	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	2.12	0.051
4-Oct-17	6.5	162	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	0.036
1-Nov-17	6.8	196	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	0.66	0.043
5-Dec-17	6.9	153	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	1.04	0.053
3-Jan-18	6.9	114	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	0.02	0.025
1-Feb-18	6.8	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	4.43	0.032
1-Mar-18	6.8	147	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	3.15	0.057
2-Apr-18	6.8	136	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	2.99	0.034
2-May-18	6.8	151	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	8.05	0.049
5-Jun-18	6.8	138	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	0.25	ND<0.02

SPDES: State Pollutant Discharge Elimination System

mg/l: Milligrams per liter

ug/l: Micrograms per liter

---: Not established

J: Analyte detected below quantitation limits, value shown is a laboratory estimate.

B: Analyte was found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

ND: Not detected

NM: Not Measured

TDS: Total dissolved solids

PCE: Tetrachloroethylene

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

TCE: Trichloroethene

1,1-DCA: 1,1-Dichloroethane

1,1-DCE: 1,1-Dichloroethene

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

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

Notes:

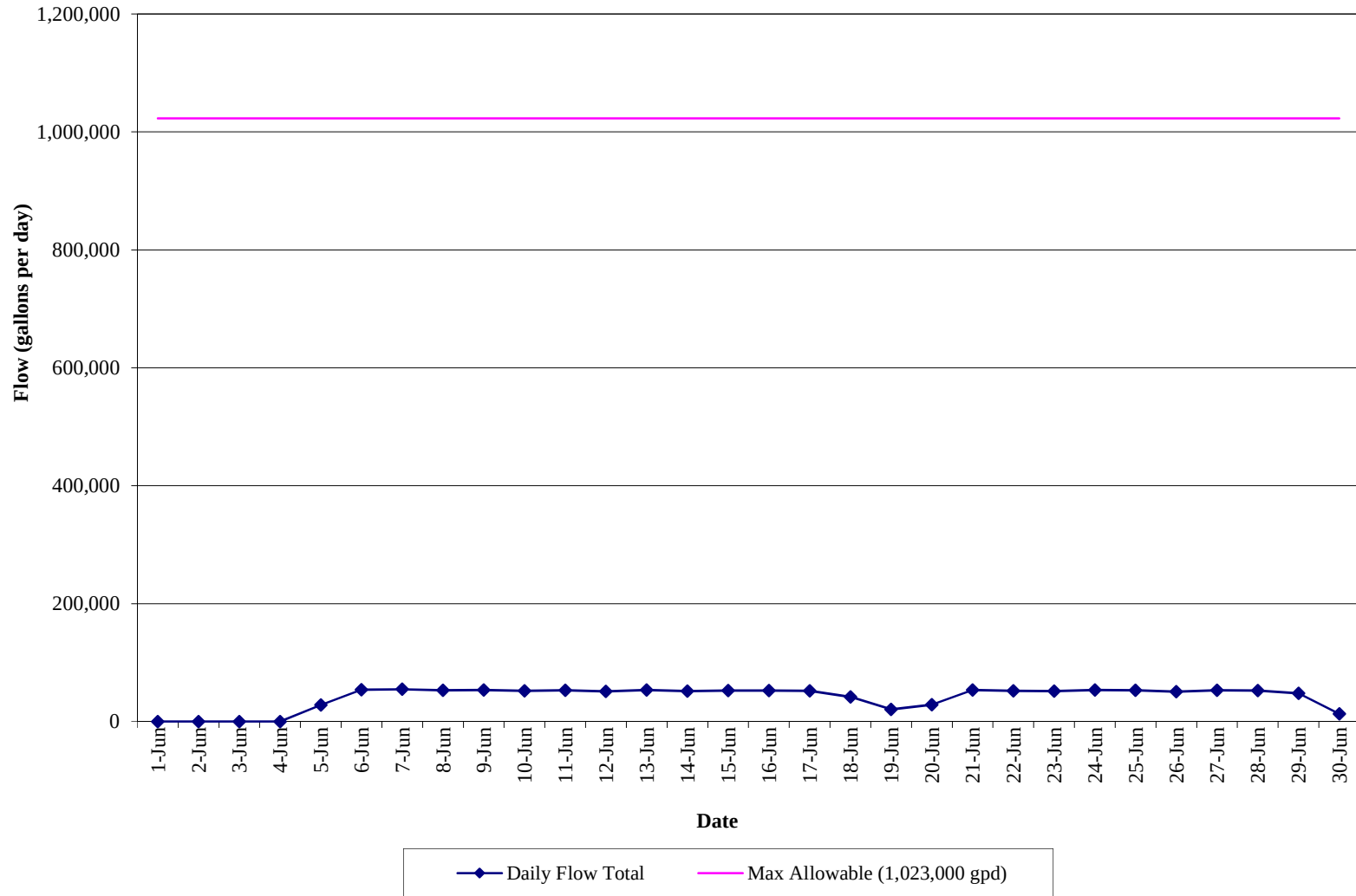
1. Based on the SPDES criteria from an NYSDEC letter dated on May 6, 2016, the allowable pH range for the Rowe Site is between 6.5 and 8.5. The pH of the effluent sample collected on June 20, 2018 was 6.8.

2. "Effluent" samples were collected from sample port labeled NP2-10 unless otherwise noted.

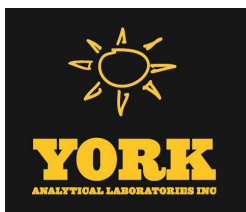
3. Starting in October 2016, FSP&T system samples are collected monthly instead of once every two weeks. The pH of the effluent water is measured two times per month in accordance with the SPDES requirements.

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

Effluent Flow Data
(June 1, 2018 to June 30, 2018)



APPENDIX I
JUNE 2018 LABORATORY ANALYTICAL REPORTS
FOR FSP&T SYSTEM



Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 06/14/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18F0246

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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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/14/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18F0246

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 07, 2018 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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18F0246-01	WQ060518: NP2-6	Water	06/05/2018	06/07/2018
18F0246-02	WQ060518: NP2-10	Water	06/05/2018	06/07/2018

General Notes for York Project (SDG) No.: 18F0246

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. 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.

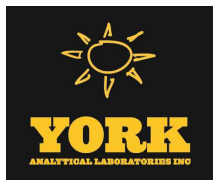
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 06/14/2018





Sample Information

Client Sample ID: WQ060518: NP2-6

York Sample ID: 18F0246-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18F0246

Rowe Industries

Water

June 5, 2018 1:00 pm

06/07/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/11/2018 07:30	06/11/2018 16:11	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS



Sample Information

Client Sample ID: WQ060518: NP2-6

York Sample ID: 18F0246-01

York Project (SDG) No.
18F0246

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 5, 2018 1:00 pm

Date Received
06/07/2018

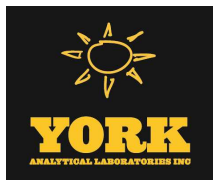
Volatile Organics, 8260 List - Low Level

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS



Sample Information

Client Sample ID: WQ060518: NP2-6

York Sample ID: 18F0246-01

York Project (SDG) No.
18F0246

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 5, 2018 1:00 pm

Date Received
06/07/2018

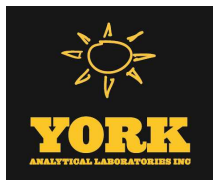
Volatile Organics, 8260 List - Low Level

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,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
127-18-4	Tetrachloroethylene	4.5		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:11	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/11/2018 07:30	06/11/2018 16:11	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	69-130								
2037-26-5	Surrogate: Toluene-d8	107 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								



Sample Information

Client Sample ID: WQ060518: NP2-10

York Sample ID: 18F0246-02

York Project (SDG) No.
18F0246

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 5, 2018 1:05 pm

Date Received
06/07/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/11/2018 07:30	06/11/2018 16:40	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS



Sample Information

Client Sample ID: WQ060518: NP2-10

York Sample ID: 18F0246-02

York Project (SDG) No.
18F0246

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 5, 2018 1:05 pm

Date Received
06/07/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 16:40	RDS



Sample Information

Client Sample ID: WQ060518: NP2-10

York Sample ID: 18F0246-02

York Project (SDG) No.
18F0246

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 5, 2018 1:05 pm

Date Received
06/07/2018

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	0.252		mg/L	0.0222	1	EPA 200.7	06/13/2018 09:51	06/13/2018 16:18	KML
							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	ND		mg/L	0.0222	1	EPA 6010C	06/13/2018 09:47	06/13/2018 14:33	KML
							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	138		mg/L	10.0	1	SM 2540C	06/08/2018 15:58	06/11/2018 16:49	AA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Analytical Batch Summary

Batch ID: BF80463 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
18F0246-02	WQ060518: NP2-10	06/08/18
BF80463-BLK1	Blank	06/08/18

Batch ID: BF80497 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18F0246-01	WQ060518: NP2-6	06/11/18
18F0246-02	WQ060518: NP2-10	06/11/18
BF80497-BLK1	Blank	06/11/18
BF80497-BS1	LCS	06/11/18
BF80497-BSD1	LCS Dup	06/11/18

Batch ID: BF80677 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18F0246-02	WQ060518: NP2-10	06/13/18
BF80677-BLK1	Blank	06/13/18
BF80677-BS1	LCS	06/13/18

Batch ID: BF80679 **Preparation Method:** EPA 200.7 **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18F0246-02	WQ060518: NP2-10	06/13/18
BF80679-BLK1	Blank	06/13/18
BF80679-BS1	LCS	06/13/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

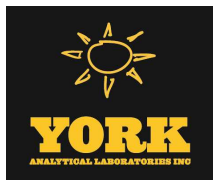
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80497 - EPA 5030B

Blank (BF80497-BLK1)

Prepared & Analyzed: 06/11/2018

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80497 - EPA 5030B

Blank (BF80497-BLK1)

Prepared & Analyzed: 06/11/2018

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	10.7	"	10.0	107	69-130
Surrogate: Toluene-d8	10.6	"	10.0	106	81-117
Surrogate: p-Bromofluorobenzene	10.2	"	10.0	102	79-122

LCS (BF80497-BS1)

Prepared & Analyzed: 06/11/2018

1,1,1,2-Tetrachloroethane	11.3	ug/L	10.0	113	82-126
1,1,1-Trichloroethane	9.95	"	10.0	99.5	78-136
1,1,2,2-Tetrachloroethane	11.0	"	10.0	110	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	"	10.0	110	54-165
1,1,2-Trichloroethane	9.80	"	10.0	98.0	82-123
1,1-Dichloroethane	9.86	"	10.0	98.6	82-129
1,1-Dichloroethylene	9.88	"	10.0	98.8	68-138
1,1-Dichloropropylene	10.1	"	10.0	101	83-133
1,2,3-Trichlorobenzene	10.3	"	10.0	103	76-136
1,2,3-Trichloropropane	10.4	"	10.0	104	77-128
1,2,4-Trichlorobenzene	10.5	"	10.0	105	76-137
1,2,4-Trimethylbenzene	11.3	"	10.0	113	82-132
1,2-Dibromo-3-chloropropane	10.1	"	10.0	101	45-147
1,2-Dibromoethane	9.93	"	10.0	99.3	83-124
1,2-Dichlorobenzene	10.6	"	10.0	106	79-123
1,2-Dichloroethane	9.42	"	10.0	94.2	73-132
1,2-Dichloropropane	9.97	"	10.0	99.7	78-126
1,3,5-Trimethylbenzene	11.3	"	10.0	113	80-131
1,3-Dichlorobenzene	11.3	"	10.0	113	86-122
1,3-Dichloropropane	9.89	"	10.0	98.9	81-125
1,4-Dichlorobenzene	10.7	"	10.0	107	85-124
2,2-Dichloropropane	11.8	"	10.0	118	56-150
2-Chlorotoluene	11.4	"	10.0	114	79-130
2-Hexanone	9.56	"	10.0	95.6	51-146
4-Chlorotoluene	10.8	"	10.0	108	79-128
Acetone	8.20	"	10.0	82.0	14-150
Benzene	9.85	"	10.0	98.5	85-126
Bromobenzene	10.5	"	10.0	105	78-129
Bromochloromethane	9.49	"	10.0	94.9	77-128
Bromodichloromethane	9.97	"	10.0	99.7	79-128
Bromoform	10.4	"	10.0	104	78-133
Bromomethane	5.66	"	10.0	56.6	43-168



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

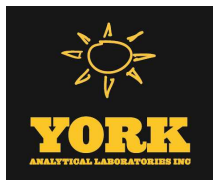
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80497 - EPA 5030B

LCS (BF80497-BS1)

Prepared & Analyzed: 06/11/2018

Carbon tetrachloride	10.5		ug/L	10.0		105	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	9.36		"	10.0		93.6	82-128				
Chloromethane	9.61		"	10.0		96.1	43-155				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	9.78		"	10.0		97.8	72-134				
Dichlorodifluoromethane	14.1		"	10.0		141	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	11.3		"	10.0		113	67-146				
Isopropylbenzene	11.4		"	10.0		114	76-140				
Methyl tert-butyl ether (MTBE)	9.47		"	10.0		94.7	76-135				
Methylene chloride	9.95		"	10.0		99.5	55-137				
Naphthalene	10.1		"	10.0		101	70-147				
n-Butylbenzene	11.8		"	10.0		118	79-132				
n-Propylbenzene	11.2		"	10.0		112	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	23.0		"	20.0		115	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butylbenzene	11.3		"	10.0		113	77-138				
Tetrachloroethylene	8.88		"	10.0		88.8	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	9.71		"	10.0		97.1	80-132				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl Chloride	10.6		"	10.0		106	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: Toluene-d8	10.6		"	10.0		106	81-117				
Surrogate: p-Bromofluorobenzene	9.93		"	10.0		99.3	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF80497 - EPA 5030B											
LCS Dup (BF80497-BSD1)						Prepared & Analyzed: 06/11/2018					
1,1,1,2-Tetrachloroethane	11.6		ug/L	10.0		116	82-126		2.18	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		0.701	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		3.30	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		2.11	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		4.39	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		1.71	30	
1,1-Dichloroethylene	9.93		"	10.0		99.3	68-138		0.505	30	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		0.0989	30	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	76-136		6.21	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		1.62	30	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	76-137		3.09	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		1.75	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		0.981	30	
1,2-Dibromoethane	10.3		"	10.0		103	83-124		3.37	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123		2.97	30	
1,2-Dichloroethane	9.71		"	10.0		97.1	73-132		3.03	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		2.57	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		1.05	30	
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122		1.50	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		3.67	30	
1,4-Dichlorobenzene	10.9		"	10.0		109	85-124		2.31	30	
2,2-Dichloropropane	11.7		"	10.0		117	56-150		0.853	30	
2-Chlorotoluene	11.5		"	10.0		115	79-130		1.31	30	
2-Hexanone	9.76		"	10.0		97.6	51-146		2.07	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		0.921	30	
Acetone	7.60		"	10.0		76.0	14-150		7.59	30	
Benzene	10.0		"	10.0		100	85-126		1.61	30	
Bromobenzene	10.7		"	10.0		107	78-129		1.79	30	
Bromochloromethane	9.82		"	10.0		98.2	77-128		3.42	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		2.48	30	
Bromoform	10.8		"	10.0		108	78-133		3.30	30	
Bromomethane	6.29		"	10.0		62.9	43-168		10.5	30	
Carbon tetrachloride	10.6		"	10.0		106	77-141		0.949	30	
Chlorobenzene	10.8		"	10.0		108	88-120		1.96	30	
Chloroethane	10.4		"	10.0		104	65-136		1.95	30	
Chloroform	9.64		"	10.0		96.4	82-128		2.95	30	
Chloromethane	9.76		"	10.0		97.6	43-155		1.55	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		1.71	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	80-131		2.41	30	
Dibromochloromethane	11.1		"	10.0		111	80-130		3.76	30	
Dibromomethane	10.1		"	10.0		101	72-134		3.22	30	
Dichlorodifluoromethane	13.9		"	10.0		139	44-144		0.999	30	
Ethyl Benzene	11.3		"	10.0		113	80-131		0.887	30	
Hexachlorobutadiene	11.6		"	10.0		116	67-146		2.36	30	
Isopropylbenzene	11.4		"	10.0		114	76-140		0.614	30	
Methyl tert-butyl ether (MTBE)	9.99		"	10.0		99.9	76-135		5.34	30	
Methylene chloride	10.5		"	10.0		105	55-137		5.28	30	
Naphthalene	10.4		"	10.0		104	70-147		3.11	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		8.79	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		0.975	30	
o-Xylene	11.0		"	10.0		110	78-130		2.11	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80497 - EPA 5030B

LCS Dup (BF80497-BSD1)

Prepared & Analyzed: 06/11/2018

p- & m- Xylenes	23.4		ug/L	20.0		117	77-133		1.60	30	
p-Isopropyltoluene	11.8		"	10.0		118	81-136		0.341	30	
sec-Butylbenzene	12.2		"	10.0		122	79-137		0.739	30	
Styrene	10.7		"	10.0		107	67-132		2.17	30	
tert-Butylbenzene	11.4		"	10.0		114	77-138		0.615	30	
Tetrachloroethylene	8.84		"	10.0		88.4	82-131		0.451	30	
Toluene	11.0		"	10.0		110	80-127		0.916	30	
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	80-132		1.23	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131		3.37	30	
Trichloroethylene	10.4		"	10.0		104	82-128		0.969	30	
Trichlorofluoromethane	10.8		"	10.0		108	67-139		0.553	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		0.0939	30	
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: Toluene-d8	10.5		"	10.0		105	81-117				
Surrogate: p-Bromofluorobenzene	9.89		"	10.0		98.9	79-122				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80677 - EPA 3015A

Blank (BF80677-BLK1)

Prepared & Analyzed: 06/13/2018

Iron - Dissolved ND 0.0222 mg/L

LCS (BF80677-BS1)

Prepared & Analyzed: 06/13/2018

Iron - Dissolved 1.01 ug/mL 1.00 101 80-120

Batch BF80679 - EPA 200.7

Blank (BF80679-BLK1)

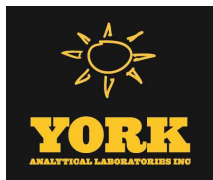
Prepared & Analyzed: 06/13/2018

Iron ND 0.0222 mg/L

LCS (BF80679-BS1)

Prepared & Analyzed: 06/13/2018

Iron 0.914 ug/mL 1.00 91.4 85-115



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80463 - % Solids Prep

Blank (BF80463-BLK1)

Prepared: 06/08/2018 Analyzed: 06/11/2018

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

Lab ID	Client Sample ID	Volatile Sample Container
18F0246-01	WQ060518: NP2-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18F0246-02	WQ060518: NP2-10	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

Field Chain-of-Custody Record

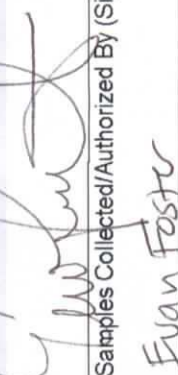
Page 1 of 1

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

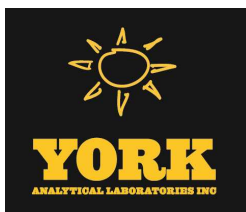
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your

York Project No. 18F0246

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

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company:	<u>WSP USA</u>	<u>SAME</u> ☒	<u>SAME</u> ☒	Name:	<u>Rowe Industries</u>	RUSH-Same Day		Summary Report	X, PDF		
Address:	<u>4 Research Drive</u>			Company:		RUSH-Next Day		QA Report	X, PDF		
	<u>Suite 301, Shelton CT 06484</u>			Address:		RUSH-Two Day		CT RCP			
Phone:	<u>203.929.8555</u>					RUSH-Three Day		CT RCP DQA/DUE Pkg			
Contact:	<u>Tunde Sandor</u>					RUSH-Four Day		NY ASP A Package			
E-mail:	<u>tunde.sandor@wsp.com</u>			E-mail		Standard (5-7day)	X	NY ASP B Package	X, PDF		
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)				Matrix Codes		Volatiles		Semi-Vols.		Full Lists	
Name (printed) <u>Evan Foster</u>				S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air - A - ambient air Air-SV - soil vapor		\$260 full TICs 624 Site Spec. STARS list Nassau Co. BTX Suffolk Co. MTBE Ketones TCL list Oxygenates TAGM list TCLP list CT RCP list \$24.2 Arom. only 502.2 Halog-only NJDEP list App IX list SFLP & TCLP 8021B list		RCRA8 PP13 list TAL CTL5 list TAGM list NJDEP list Site Spec. SFLP & TCLP Total Dissolved SFLP & TCLP Herb Indic Metals LIST Below Helium		Pri.Poll. TCL Organics TAL M&CN Full TCLP Full App IX Part 360 Route Part 360 Baseline Part 360 Residual Part 360 Spill NYCDEF Spill NYCDEF Spill NYCDEF Spill TAGM	
Analysis Requested (List above includes common analysis)		Fe by EPA 200.7; Fe dissolved by EPA 6010; VOCs 8260 full plus freon 113; TDS		Container Description		300's 300's plastic					
Sample Identification		Date+Time Sampled		Matrix		Preservation (check all applicable)		Temperature on Receipt			
WQ0605IP: NP2-6-6-5-18/1300		NP2-6-6-5-18/1300		GW		4°C Frozen HCl MeOH HNO ₃ H ₂ O ₂ NaOH		6-6-8-800			
WQ0605IP: NP2-10-6-5-18/1305		NP2-10-6-5-18/1305		GW		ZnAc Ascorbic Acid Other		WSP Fridge 6-6-8-800			
Comments:								Samples Relinquished By Date/Time		Date/Time	
								6/7/18/12:30		6-6-8-800	
								Samples Relinquished By Date/Time		Date/Time	
								6/7/18/12:30		6-6-8-800	
								Samples Relinquished By Date/Time		Date/Time	
								6/7/18/12:30		6-6-8-800	

APPENDIX II
JUNE 2018 LABORATORY ANALYTICAL REPORTS
FOR FSP&T AND FP&T RECOVERY WELLS



Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 06/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18F0244

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
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/12/2018
Client Project ID: Rowe Industries
York Project (SDG) No.: 18F0244

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 07, 2018 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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18F0244-01	WQ050518: NP1-I-2	Water	06/05/2018	06/07/2018

General Notes for York Project (SDG) No.: 18F0244

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. 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:



Benjamin Gulizia
Laboratory Director

Date: 06/12/2018





Sample Information

Client Sample ID: WQ050518: NP1-1-2

York Sample ID: 18F0244-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18F0244

Rowe Industries

Water

June 5, 2018 1:10 pm

06/07/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/11/2018 07:30	06/11/2018 15:42	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS



Sample Information

Client Sample ID: WQ050518: NP1-1-2

York Sample ID: 18F0244-01

York Project (SDG) No.
18F0244

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 5, 2018 1:10 pm

Date Received
06/07/2018

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS



Sample Information

Client Sample ID: WQ050518: NP1-1-2

York Sample ID: 18F0244-01

York Project (SDG) No.
18F0244

Client Project ID
Rowe Industries

Matrix
Water

Collection Date/Time
June 5, 2018 1:10 pm

Date Received
06/07/2018

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,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
127-18-4	Tetrachloroethylene	0.21	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/11/2018 07:30	06/11/2018 15:42	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/11/2018 07:30	06/11/2018 15:42	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %	69-130								
2037-26-5	Surrogate: Toluene-d8	105 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	79-122								



Analytical Batch Summary

Batch ID: BF80497

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
18F0244-01	WQ050518: NP1-1-2	06/11/18
BF80497-BLK1	Blank	06/11/18
BF80497-BS1	LCS	06/11/18
BF80497-BSD1	LCS Dup	06/11/18



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80497 - EPA 5030B

Blank (BF80497-BLK1)

Prepared & Analyzed: 06/11/2018

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



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80497 - EPA 5030B

Blank (BF80497-BLK1)

Prepared & Analyzed: 06/11/2018

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	10.7	"	10.0	107	69-130
Surrogate: Toluene-d8	10.6	"	10.0	106	81-117
Surrogate: p-Bromofluorobenzene	10.2	"	10.0	102	79-122

LCS (BF80497-BS1)

Prepared & Analyzed: 06/11/2018

1,1,1,2-Tetrachloroethane	11.3	ug/L	10.0	113	82-126
1,1,1-Trichloroethane	9.95	"	10.0	99.5	78-136
1,1,2,2-Tetrachloroethane	11.0	"	10.0	110	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.0	"	10.0	110	54-165
1,1,2-Trichloroethane	9.80	"	10.0	98.0	82-123
1,1-Dichloroethane	9.86	"	10.0	98.6	82-129
1,1-Dichloroethylene	9.88	"	10.0	98.8	68-138
1,1-Dichloropropylene	10.1	"	10.0	101	83-133
1,2,3-Trichlorobenzene	10.3	"	10.0	103	76-136
1,2,3-Trichloropropane	10.4	"	10.0	104	77-128
1,2,4-Trichlorobenzene	10.5	"	10.0	105	76-137
1,2,4-Trimethylbenzene	11.3	"	10.0	113	82-132
1,2-Dibromo-3-chloropropane	10.1	"	10.0	101	45-147
1,2-Dibromoethane	9.93	"	10.0	99.3	83-124
1,2-Dichlorobenzene	10.6	"	10.0	106	79-123
1,2-Dichloroethane	9.42	"	10.0	94.2	73-132
1,2-Dichloropropane	9.97	"	10.0	99.7	78-126
1,3,5-Trimethylbenzene	11.3	"	10.0	113	80-131
1,3-Dichlorobenzene	11.3	"	10.0	113	86-122
1,3-Dichloropropane	9.89	"	10.0	98.9	81-125
1,4-Dichlorobenzene	10.7	"	10.0	107	85-124
2,2-Dichloropropane	11.8	"	10.0	118	56-150
2-Chlorotoluene	11.4	"	10.0	114	79-130
2-Hexanone	9.56	"	10.0	95.6	51-146
4-Chlorotoluene	10.8	"	10.0	108	79-128
Acetone	8.20	"	10.0	82.0	14-150
Benzene	9.85	"	10.0	98.5	85-126
Bromobenzene	10.5	"	10.0	105	78-129
Bromochloromethane	9.49	"	10.0	94.9	77-128
Bromodichloromethane	9.97	"	10.0	99.7	79-128
Bromoform	10.4	"	10.0	104	78-133
Bromomethane	5.66	"	10.0	56.6	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
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Batch BF80497 - EPA 5030B

LCS (BF80497-BS1)

Prepared & Analyzed: 06/11/2018

Carbon tetrachloride	10.5		ug/L	10.0		105	77-141				
Chlorobenzene	10.6		"	10.0		106	88-120				
Chloroethane	10.2		"	10.0		102	65-136				
Chloroform	9.36		"	10.0		93.6	82-128				
Chloromethane	9.61		"	10.0		96.1	43-155				
cis-1,2-Dichloroethylene	9.85		"	10.0		98.5	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Dibromochloromethane	10.7		"	10.0		107	80-130				
Dibromomethane	9.78		"	10.0		97.8	72-134				
Dichlorodifluoromethane	14.1		"	10.0		141	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	11.3		"	10.0		113	67-146				
Isopropylbenzene	11.4		"	10.0		114	76-140				
Methyl tert-butyl ether (MTBE)	9.47		"	10.0		94.7	76-135				
Methylene chloride	9.95		"	10.0		99.5	55-137				
Naphthalene	10.1		"	10.0		101	70-147				
n-Butylbenzene	11.8		"	10.0		118	79-132				
n-Propylbenzene	11.2		"	10.0		112	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	23.0		"	20.0		115	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butylbenzene	11.3		"	10.0		113	77-138				
Tetrachloroethylene	8.88		"	10.0		88.8	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	9.71		"	10.0		97.1	80-132				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	10.9		"	10.0		109	67-139				
Vinyl Chloride	10.6		"	10.0		106	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.93</i>		<i>"</i>	<i>10.0</i>		<i>99.3</i>	<i>79-122</i>				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BF80497 - EPA 5030B											
LCS Dup (BF80497-BSD1)						Prepared & Analyzed: 06/11/2018					
1,1,1,2-Tetrachloroethane	11.6		ug/L	10.0		116	82-126		2.18	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		0.701	30	
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129		3.30	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	54-165		2.11	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		4.39	30	
1,1-Dichloroethane	10.0		"	10.0		100	82-129		1.71	30	
1,1-Dichloroethylene	9.93		"	10.0		99.3	68-138		0.505	30	
1,1-Dichloropropylene	10.1		"	10.0		101	83-133		0.0989	30	
1,2,3-Trichlorobenzene	11.0		"	10.0		110	76-136		6.21	30	
1,2,3-Trichloropropane	10.6		"	10.0		106	77-128		1.62	30	
1,2,4-Trichlorobenzene	10.8		"	10.0		108	76-137		3.09	30	
1,2,4-Trimethylbenzene	11.5		"	10.0		115	82-132		1.75	30	
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147		0.981	30	
1,2-Dibromoethane	10.3		"	10.0		103	83-124		3.37	30	
1,2-Dichlorobenzene	10.9		"	10.0		109	79-123		2.97	30	
1,2-Dichloroethane	9.71		"	10.0		97.1	73-132		3.03	30	
1,2-Dichloropropane	10.2		"	10.0		102	78-126		2.57	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		1.05	30	
1,3-Dichlorobenzene	11.4		"	10.0		114	86-122		1.50	30	
1,3-Dichloropropane	10.3		"	10.0		103	81-125		3.67	30	
1,4-Dichlorobenzene	10.9		"	10.0		109	85-124		2.31	30	
2,2-Dichloropropane	11.7		"	10.0		117	56-150		0.853	30	
2-Chlorotoluene	11.5		"	10.0		115	79-130		1.31	30	
2-Hexanone	9.76		"	10.0		97.6	51-146		2.07	30	
4-Chlorotoluene	10.9		"	10.0		109	79-128		0.921	30	
Acetone	7.60		"	10.0		76.0	14-150		7.59	30	
Benzene	10.0		"	10.0		100	85-126		1.61	30	
Bromobenzene	10.7		"	10.0		107	78-129		1.79	30	
Bromochloromethane	9.82		"	10.0		98.2	77-128		3.42	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		2.48	30	
Bromoform	10.8		"	10.0		108	78-133		3.30	30	
Bromomethane	6.29		"	10.0		62.9	43-168		10.5	30	
Carbon tetrachloride	10.6		"	10.0		106	77-141		0.949	30	
Chlorobenzene	10.8		"	10.0		108	88-120		1.96	30	
Chloroethane	10.4		"	10.0		104	65-136		1.95	30	
Chloroform	9.64		"	10.0		96.4	82-128		2.95	30	
Chloromethane	9.76		"	10.0		97.6	43-155		1.55	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		1.71	30	
cis-1,3-Dichloropropylene	10.9		"	10.0		109	80-131		2.41	30	
Dibromochloromethane	11.1		"	10.0		111	80-130		3.76	30	
Dibromomethane	10.1		"	10.0		101	72-134		3.22	30	
Dichlorodifluoromethane	13.9		"	10.0		139	44-144		0.999	30	
Ethyl Benzene	11.3		"	10.0		113	80-131		0.887	30	
Hexachlorobutadiene	11.6		"	10.0		116	67-146		2.36	30	
Isopropylbenzene	11.4		"	10.0		114	76-140		0.614	30	
Methyl tert-butyl ether (MTBE)	9.99		"	10.0		99.9	76-135		5.34	30	
Methylene chloride	10.5		"	10.0		105	55-137		5.28	30	
Naphthalene	10.4		"	10.0		104	70-147		3.11	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		8.79	30	
n-Propylbenzene	11.3		"	10.0		113	78-133		0.975	30	
o-Xylene	11.0		"	10.0		110	78-130		2.11	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

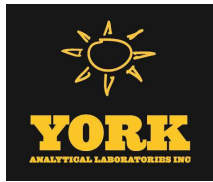
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF80497 - EPA 5030B

LCS Dup (BF80497-BSD1)

Prepared & Analyzed: 06/11/2018

p- & m- Xylenes	23.4		ug/L	20.0		117	77-133		1.60	30	
p-Isopropyltoluene	11.8		"	10.0		118	81-136		0.341	30	
sec-Butylbenzene	12.2		"	10.0		122	79-137		0.739	30	
Styrene	10.7		"	10.0		107	67-132		2.17	30	
tert-Butylbenzene	11.4		"	10.0		114	77-138		0.615	30	
Tetrachloroethylene	8.84		"	10.0		88.4	82-131		0.451	30	
Toluene	11.0		"	10.0		110	80-127		0.916	30	
trans-1,2-Dichloroethylene	9.83		"	10.0		98.3	80-132		1.23	30	
trans-1,3-Dichloropropylene	10.9		"	10.0		109	78-131		3.37	30	
Trichloroethylene	10.4		"	10.0		104	82-128		0.969	30	
Trichlorofluoromethane	10.8		"	10.0		108	67-139		0.553	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		0.0939	30	
Surrogate: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: Toluene-d8	10.5		"	10.0		105	81-117				
Surrogate: p-Bromofluorobenzene	9.89		"	10.0		98.9	79-122				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18F0244-01	WQ050518: NP1-1-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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).

Definitions and Other Explanations

*	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.





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YORK
ANALYTICAL LABORATORIES INC.

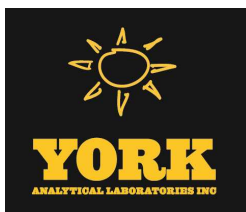
Field Chain-of-Custody Record

Page 1 of 1

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

York Project No. 18F0244

YOUR Information		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company: <u>WSP USA</u>	☒ SAME ☐ X	☒ SAME ☐ X		☒ SAME ☐ X		Rowe Industries		RUSH-Same Day		Summary Report	X, PDF
Address: <u>4 Research Drive</u>	Name:	Name:		Name:				RUSH-Next Day		QA Report	X, PDF
Suite <u>301, Shelton CT 06484</u>	Company:	Company:		Company:		Purchase Order #		RUSH-Two Day		CT RCP	
Phone: <u>203.929.8555</u>	Address:	Address:		Address:		NABSAG		RUSH-Three Day		CT RCP DQA/DUE Pkg	
Contact: <u>Tunde Sandor</u>								RUSH-Four Day		NY ASP A Package	
E-mail: <u>tunde.sandor@wsp.com</u>				E-mail:				Standard (5-7day)	☒ X	NY ASP B Package	X, PDF
Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved. Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor Samples Collected/Authorized By (Signature) <u>[Signature]</u> Name (printed) <u>Evan Foster</u>											
Sample Identification		Date/Time Sampled	Matrix		Analysis Requested (List above includes common analysis)		Container Description		OTHER:		
<u>WQ060518:</u>		<u>NP1-2 6-518/1310</u>	<u>GW</u>		<u>VOCs 8260 full plus freon 113</u>		<u>3 vials</u>				
Comments:		<u>[Signature]</u> 4°C Frozen ☒ HCl ☒ MeOH ☒ HNO₃ ☒ H₂SO₄ ☒ NaOH ☒ ZnAc ☒ Ascorbic Acid ☒ Other ☒ Special Instructions Field Filtered ☐ Lab to Filter ☐ Samples Relinquished By <u>[Signature]</u> Date/Time <u>6-6-18 8:00</u> WSP Fridge <u>6-6-18 8:00</u> Samples Received By <u>[Signature]</u> Date/Time <u>6-6-18 12:39</u> Samples Relinquished By <u>[Signature]</u> Date/Time <u>6-7-18 12:39</u> Samples Received in LAB by <u>[Signature]</u> Date/Time <u>6-7-18 9:08</u> Temperature on Receipt <u>1.6 °C</u>									



Technical Report

prepared for:

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Report Date: 06/29/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18F1034

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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132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 06/29/2018
Client Project ID: 31401451.000 task 01.00
York Project (SDG) No.: 18F1034

WSP USA, Inc. (Shelton)
4 Research Drive, Suite 204
Shelton CT, 06484
Attention: Tunde Komuves-Sandor

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on June 22, 2018 and listed below. The project was identified as your project: **31401451.000 task 01.00**.

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 Sample and Analysis Qualifiers 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 Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
18F1034-01	WQ062018:1200 FRW-1	Water	06/20/2018	06/22/2018
18F1034-02	WQ062018:1205 FRW-2	Water	06/20/2018	06/22/2018
18F1034-03	WQ062018:1210 FRW-3	Water	06/20/2018	06/22/2018
18F1034-04	WQ062018:1215 FRW-4	Water	06/20/2018	06/22/2018

General Notes for York Project (SDG) No.: 18F1034

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 analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. 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:



Benjamin Gulizia
Laboratory Director

Date: 06/29/2018





Sample Information

Client Sample ID: WQ062018:1200 FRW-1

York Sample ID: 18F1034-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18F1034

31401451.000 task 01.00

Water

June 20, 2018 12:00 pm

06/22/2018

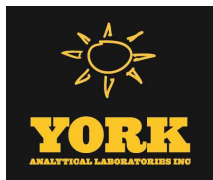
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 07:30	06/28/2018 20:48	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS



Sample Information

Client Sample ID: WQ062018:1200 FRW-1

York Sample ID: 18F1034-01

York Project (SDG) No.
18F1034

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
June 20, 2018 12:00 pm

Date Received
06/22/2018

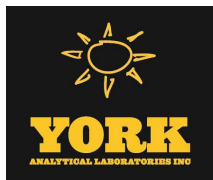
Volatile Organics, 8260 List - Low Level

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: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
156-59-2	cis-1,2-Dichloroethylene	0.68		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS



Sample Information

Client Sample ID: WQ062018:1200 FRW-1

York Sample ID: 18F1034-01

York Project (SDG) No.

18F1034

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

June 20, 2018 12:00 pm

Date Received

06/22/2018

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,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
127-18-4	Tetrachloroethylene	25		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
79-01-6	Trichloroethylene	0.76		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 20:48	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 07:30	06/28/2018 20:48	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.2 %	79-122								



Sample Information

Client Sample ID: WQ062018:1205 FRW-2

York Sample ID: 18F1034-02

York Project (SDG) No.

18F1034

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

June 20, 2018 12:05 pm

Date Received

06/22/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 07:30	06/28/2018 21:17	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS



Sample Information

Client Sample ID: WQ062018:1205 FRW-2

York Sample ID: 18F1034-02

York Project (SDG) No.

18F1034

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

June 20, 2018 12:05 pm

Date Received

06/22/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
156-59-2	cis-1,2-Dichloroethylene	0.44	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS



Sample Information

Client Sample ID: WQ062018:1205 FRW-2

York Sample ID: 18F1034-02

York Project (SDG) No.
18F1034

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
June 20, 2018 12:05 pm

Date Received
06/22/2018

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,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
127-18-4	Tetrachloroethylene	3.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
79-01-6	Trichloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:17	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 07:30	06/28/2018 21:17	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	69-130								
2037-26-5	Surrogate: Toluene-d8	103 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	99.4 %	79-122								



Sample Information

Client Sample ID: WQ062018:1210 FRW-3

York Sample ID: 18F1034-03

York Project (SDG) No.

18F1034

Client Project ID

31401451.000 task 01.00

Matrix

Water

Collection Date/Time

June 20, 2018 12:10 pm

Date Received

06/22/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 07:30	06/28/2018 21:45	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS



Sample Information

Client Sample ID: WQ062018:1210 FRW-3

York Sample ID: 18F1034-03

York Project (SDG) No.
18F1034

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
June 20, 2018 12:10 pm

Date Received
06/22/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
67-64-1	Acetone	1.5	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
156-59-2	cis-1,2-Dichloroethylene	4.3		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS



Sample Information

Client Sample ID: WQ062018:1210 FRW-3

York Sample ID: 18F1034-03

York Project (SDG) No.
18F1034

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
June 20, 2018 12:10 pm

Date Received
06/22/2018

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,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
127-18-4	Tetrachloroethylene	39		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
79-01-6	Trichloroethylene	6.8		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 21:45	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 07:30	06/28/2018 21:45	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	111 %	69-130								
2037-26-5	Surrogate: Toluene-d8	104 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122								



Sample Information

Client Sample ID: WQ062018:1215 FRW-4

York Sample ID: 18F1034-04

York Project (SDG) No.
18F1034

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
June 20, 2018 12:15 pm

Date Received
06/22/2018

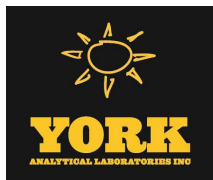
Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
563-58-6	1,1-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 07:30	06/28/2018 22:14	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
142-28-9	1,3-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
594-20-7	2,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
95-49-8	2-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS



Sample Information

Client Sample ID: WQ062018:1215 FRW-4

York Sample ID: 18F1034-04

York Project (SDG) No.
18F1034

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
June 20, 2018 12:15 pm

Date Received
06/22/2018

Volatile Organics, 8260 List - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
106-43-4	4-Chlorotoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
67-64-1	Acetone	1.5	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
108-86-1	Bromobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS



Sample Information

Client Sample ID: WQ062018:1215 FRW-4

York Sample ID: 18F1034-04

York Project (SDG) No.
18F1034

Client Project ID
31401451.000 task 01.00

Matrix
Water

Collection Date/Time
June 20, 2018 12:15 pm

Date Received
06/22/2018

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,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
127-18-4	Tetrachloroethylene	1.4		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
79-01-6	Trichloroethylene	0.22	J	ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/28/2018 07:30	06/28/2018 22:14	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	06/28/2018 07:30	06/28/2018 22:14	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %	69-130								
2037-26-5	Surrogate: Toluene-d8	104 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								



Analytical Batch Summary

Batch ID: BF81551

Preparation Method: EPA 5030B

Prepared By: RDS

YORK Sample ID	Client Sample ID	Preparation Date
18F1034-01	WQ062018:1200 FRW-1	06/28/18
18F1034-02	WQ062018:1205 FRW-2	06/28/18
18F1034-03	WQ062018:1210 FRW-3	06/28/18
18F1034-04	WQ062018:1215 FRW-4	06/28/18
BF81551-BLK1	Blank	06/28/18
BF81551-BS1	LCS	06/28/18
BF81551-BSD1	LCS Dup	06/28/18



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 BF81551 - EPA 5030B											
Blank (BF81551-BLK1)										Prepared & Analyzed: 06/28/2018	
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,1-Dichloropropylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,3-Dichloropropane	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
2,2-Dichloropropane	ND	0.50	"								
2-Chlorotoluene	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Chlorotoluene	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Bromobenzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF81551 - EPA 5030B

Blank (BF81551-BLK1)

Prepared & Analyzed: 06/28/2018

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	11.3	"	10.0	113	69-130
Surrogate: Toluene-d8	9.99	"	10.0	99.9	81-117
Surrogate: p-Bromofluorobenzene	9.77	"	10.0	97.7	79-122

LCS (BF81551-BS1)

Prepared & Analyzed: 06/28/2018

1,1,1,2-Tetrachloroethane	11.4	ug/L	10.0	114	82-126
1,1,1-Trichloroethane	10.5	"	10.0	105	78-136
1,1,2,2-Tetrachloroethane	10.5	"	10.0	105	76-129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0	"	10.0	120	54-165
1,1,2-Trichloroethane	9.58	"	10.0	95.8	82-123
1,1-Dichloroethane	10.4	"	10.0	104	82-129
1,1-Dichloroethylene	10.2	"	10.0	102	68-138
1,1-Dichloropropylene	10.5	"	10.0	105	83-133
1,2,3-Trichlorobenzene	9.50	"	10.0	95.0	76-136
1,2,3-Trichloropropane	9.94	"	10.0	99.4	77-128
1,2,4-Trichlorobenzene	9.78	"	10.0	97.8	76-137
1,2,4-Trimethylbenzene	10.9	"	10.0	109	82-132
1,2-Dibromo-3-chloropropane	8.49	"	10.0	84.9	45-147
1,2-Dibromoethane	9.54	"	10.0	95.4	83-124
1,2-Dichlorobenzene	10.5	"	10.0	105	79-123
1,2-Dichloroethane	9.78	"	10.0	97.8	73-132
1,2-Dichloropropane	9.67	"	10.0	96.7	78-126
1,3,5-Trimethylbenzene	10.9	"	10.0	109	80-131
1,3-Dichlorobenzene	11.2	"	10.0	112	86-122
1,3-Dichloropropane	9.59	"	10.0	95.9	81-125
1,4-Dichlorobenzene	10.6	"	10.0	106	85-124
2,2-Dichloropropane	11.0	"	10.0	110	56-150
2-Chlorotoluene	11.0	"	10.0	110	79-130
2-Hexanone	7.70	"	10.0	77.0	51-146
4-Chlorotoluene	10.4	"	10.0	104	79-128
Acetone	8.45	"	10.0	84.5	14-150
Benzene	10.4	"	10.0	104	85-126
Bromobenzene	10.0	"	10.0	100	78-129
Bromochloromethane	10.0	"	10.0	100	77-128
Bromodichloromethane	9.69	"	10.0	96.9	79-128
Bromoform	9.99	"	10.0	99.9	78-133
Bromomethane	6.24	"	10.0	62.4	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
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Batch BF81551 - EPA 5030B

LCS (BF81551-BS1)

Prepared & Analyzed: 06/28/2018

Carbon tetrachloride	11.3		ug/L	10.0		113	77-141				
Chlorobenzene	10.7		"	10.0		107	88-120				
Chloroethane	11.8		"	10.0		118	65-136				
Chloroform	10.0		"	10.0		100	82-128				
Chloromethane	9.55		"	10.0		95.5	43-155				
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	9.69		"	10.0		96.9	72-134				
Dichlorodifluoromethane	12.7		"	10.0		127	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	10.1		"	10.0		101	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl tert-butyl ether (MTBE)	8.83		"	10.0		88.3	76-135				
Methylene chloride	10.1		"	10.0		101	55-137				
Naphthalene	9.01		"	10.0		90.1	70-147				
n-Butylbenzene	10.2		"	10.0		102	79-132				
n-Propylbenzene	10.9		"	10.0		109	78-133				
o-Xylene	10.6		"	10.0		106	78-130				
p- & m- Xylenes	23.0		"	20.0		115	77-133				
p-Isopropyltoluene	11.2		"	10.0		112	81-136				
sec-Butylbenzene	11.6		"	10.0		116	79-137				
Styrene	10.3		"	10.0		103	67-132				
tert-Butylbenzene	10.9		"	10.0		109	77-138				
Tetrachloroethylene	8.97		"	10.0		89.7	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	10.1		"	10.0		101	80-132				
trans-1,3-Dichloropropylene	9.66		"	10.0		96.6	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	11.7		"	10.0		117	67-139				
Vinyl Chloride	11.2		"	10.0		112	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.4</i>		<i>"</i>	<i>10.0</i>		<i>104</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.3</i>		<i>"</i>	<i>10.0</i>		<i>103</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.62</i>		<i>"</i>	<i>10.0</i>		<i>96.2</i>	<i>79-122</i>				



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 BF81551 - EPA 5030B											
LCS Dup (BF81551-BSD1)						Prepared & Analyzed: 06/28/2018					
1,1,1,2-Tetrachloroethane	11.1		ug/L	10.0		111	82-126		2.92	30	
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136		2.90	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		1.71	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		15.4	30	
1,1,2-Trichloroethane	9.71		"	10.0		97.1	82-123		1.35	30	
1,1-Dichloroethane	10.2		"	10.0		102	82-129		1.93	30	
1,1-Dichloroethylene	8.31		"	10.0		83.1	68-138		19.9	30	
1,1-Dichloropropylene	10.2		"	10.0		102	83-133		2.90	30	
1,2,3-Trichlorobenzene	9.70		"	10.0		97.0	76-136		2.08	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		1.00	30	
1,2,4-Trichlorobenzene	9.74		"	10.0		97.4	76-137		0.410	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		6.62	30	
1,2-Dibromo-3-chloropropane	9.06		"	10.0		90.6	45-147		6.50	30	
1,2-Dibromoethane	9.68		"	10.0		96.8	83-124		1.46	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		4.76	30	
1,2-Dichloroethane	10.1		"	10.0		101	73-132		2.82	30	
1,2-Dichloropropane	9.35		"	10.0		93.5	78-126		3.36	30	
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131		7.11	30	
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122		6.55	30	
1,3-Dichloropropane	9.67		"	10.0		96.7	81-125		0.831	30	
1,4-Dichlorobenzene	10.0		"	10.0		100	85-124		5.71	30	
2,2-Dichloropropane	10.5		"	10.0		105	56-150		4.74	30	
2-Chlorotoluene	10.3		"	10.0		103	79-130		7.32	30	
2-Hexanone	8.95		"	10.0		89.5	51-146		15.0	30	
4-Chlorotoluene	9.73		"	10.0		97.3	79-128		6.18	30	
Acetone	9.46		"	10.0		94.6	14-150		11.3	30	
Benzene	10.2		"	10.0		102	85-126		1.95	30	
Bromobenzene	9.48		"	10.0		94.8	78-129		5.54	30	
Bromochloromethane	10.1		"	10.0		101	77-128		0.498	30	
Bromodichloromethane	9.50		"	10.0		95.0	79-128		1.98	30	
Bromoform	10.4		"	10.0		104	78-133		4.02	30	
Bromomethane	5.86		"	10.0		58.6	43-168		6.28	30	
Carbon tetrachloride	11.0		"	10.0		110	77-141		2.78	30	
Chlorobenzene	10.3		"	10.0		103	88-120		3.89	30	
Chloroethane	11.0		"	10.0		110	65-136		7.01	30	
Chloroform	9.93		"	10.0		99.3	82-128		1.20	30	
Chloromethane	8.97		"	10.0		89.7	43-155		6.26	30	
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129		2.17	30	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131		0.993	30	
Dibromochloromethane	10.6		"	10.0		106	80-130		1.33	30	
Dibromomethane	9.63		"	10.0		96.3	72-134		0.621	30	
Dichlorodifluoromethane	12.0		"	10.0		120	44-144		5.68	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		6.28	30	
Hexachlorobutadiene	9.45		"	10.0		94.5	67-146		6.25	30	
Isopropylbenzene	10.2		"	10.0		102	76-140		7.98	30	
Methyl tert-butyl ether (MTBE)	9.81		"	10.0		98.1	76-135		10.5	30	
Methylene chloride	10.1		"	10.0		101	55-137		0.397	30	
Naphthalene	9.41		"	10.0		94.1	70-147		4.34	30	
n-Butylbenzene	10.3		"	10.0		103	79-132		1.08	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		7.63	30	
o-Xylene	10.1		"	10.0		101	78-130		5.12	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BF81551 - EPA 5030B

LCS Dup (BF81551-BSD1)

Prepared & Analyzed: 06/28/2018

p- & m- Xylenes	21.6		ug/L	20.0		108	77-133		6.33	30
p-Isopropyltoluene	10.4		"	10.0		104	81-136		7.04	30
sec-Butylbenzene	10.8		"	10.0		108	79-137		7.33	30
Styrene	9.93		"	10.0		99.3	67-132		3.95	30
tert-Butylbenzene	10.1		"	10.0		101	77-138		8.08	30
Tetrachloroethylene	8.36		"	10.0		83.6	82-131		7.04	30
Toluene	10.1		"	10.0		101	80-127		6.61	30
trans-1,2-Dichloroethylene	9.80		"	10.0		98.0	80-132		3.41	30
trans-1,3-Dichloropropylene	9.78		"	10.0		97.8	78-131		1.23	30
Trichloroethylene	9.50		"	10.0		95.0	82-128		6.91	30
Trichlorofluoromethane	11.0		"	10.0		110	67-139		5.80	30
Vinyl Chloride	10.4		"	10.0		104	58-145		6.76	30
Surrogate: 1,2-Dichloroethane-d4	11.4		"	10.0		114	69-130			
Surrogate: Toluene-d8	9.87		"	10.0		98.7	81-117			
Surrogate: p-Bromofluorobenzene	9.60		"	10.0		96.0	79-122			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18F1034-01	WQ062018:1200 FRW-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18F1034-02	WQ062018:1205 FRW-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18F1034-03	WQ062018:1210 FRW-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18F1034-04	WQ062018:1215 FRW-4	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

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).

Definitions and Other Explanations

*	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.

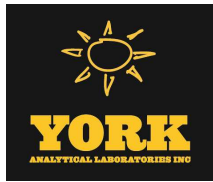
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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





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Field Chain-of-Custody Record

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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. 18F1034

YOUR INFORMATION		Report to:		Invoice To:		Your Project ID		Turn-Around Time		Report/Deliverable Type	
Company:	WSP USA	SAME ☒	SAME ☒	Name:		31401451.000 task		RUSH-Same Day		Summary Report X, PDF	
Address:	4 Research Drive	Name:		Company:		01.00		RUSH-Next Day		QA Report X, PDF	
	Suite 301, Shelton CT 06484	Address:		Purchase Order #		31401451.000 task		RUSH-Two Day		CT RCP	
Phone:	203.929.8555	Address:		Address:		01.00		RUSH-Three Day		CT RCP DQADUE Pkg	
Contact:	Tunde Sandor	E-mail:		Samples from CT_NY x_NJ		X		RUSH-Four Day		NY ASP A Package	
E-mail:	tunde.sandor@wsp.com	E-mail:		Standard (5-7day)		X				NY ASP B Package	
										NUDEP Reduced Deliv	
										Excel	
										X	
										NUDEP EQUIS	
										NUDEP SRP HazSite	
										EQUIS	
										GIS/KEY (std)	
										YORK Regulatory Comp Excel	
										compared to:	
										OTHER:	

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

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

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

Sample Identification		Date/Time Sampled	Matrix	Analysis Requested (List above includes common analysis)		Container Description
WQ062018:1200 FRW-1	6-20-18 1200	GW	VOCs 8260 full plus freon 113		300a	
WQ062018:1205 FRW-2	1205					
WQ062018:1210 FRW-3	1210					
WQ062018:1215 FRW-4	1215					
Preservation (check all applicable): A/C ☒ Brown ☒ HCl ☒ MeOH ☒ HNO₃ ☒ H₂SO₄ ☒ NaOH ☒ Special Instructions: Field Filtered ☐ Lab to Filter ☐						
Comments: WSP Fridge 6-20-18 800 WSP Fridge 6-21-18 800 Samples Relinquished By <u>WSP</u> Date/Time <u>6/22/18 1635</u> Samples Relinquished By <u>WSP</u> Date/Time <u>6/22/18 1635</u>						
Temperature on Receipt <u>3.2</u> °C						

Rec'd 6/22/18 15:17