

APPENDIX I

LABORATORY ANALYTICAL DATA REPORTS



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/16/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0110

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/16/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0110

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 02, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0110-01	SB04_0-0.5	Soil	03/02/2021	03/02/2021
21C0110-02	SB04_6-8	Soil	03/02/2021	03/02/2021
21C0110-03	SB04_12-14	Soil	03/02/2021	03/02/2021
21C0110-05	SB09_6-8	Soil	03/02/2021	03/02/2021
21C0110-06	SB09_8-10	Soil	03/02/2021	03/02/2021
21C0110-07	SB09_18-20	Soil	03/02/2021	03/02/2021
21C0110-08	EC_FB01_030221	Water	03/02/2021	03/02/2021

General Notes for York Project (SDG) No.: 21C0110

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: 03/16/2021





Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:50 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 15:43	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 15:43	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
78-93-3	2-Butanone	0.0050	J, B	mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:50 pm

03/02/2021

Volatiles, 8260 Comprehensive

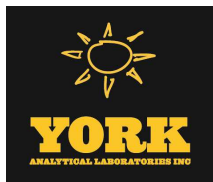
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
67-64-1	Acetone	0.0097	J	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:50 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:50 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 15:43	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0083	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 15:43	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	102 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	110 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
91-57-6	2-Methylnaphthalene	0.0642	J	mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

21C0110

170430001

Soil

March 2, 2021 1:50 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

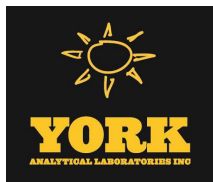
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
83-32-9	Acenaphthene	0.0890	J	mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
208-96-8	Acenaphthylene	0.0828	J	mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
62-53-3	Aniline	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
120-12-7	Anthracene	0.320		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
92-87-5	Benzidine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
56-55-3	Benzo(a)anthracene	0.812		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:50 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.711		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
205-99-2	Benzo(b)fluoranthene	0.639		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
191-24-2	Benzo(g,h,i)perylene	0.508		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
207-08-9	Benzo(k)fluoranthene	0.632		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0689	J, B	mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
86-74-8	Carbazole	0.142		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
218-01-9	Chrysene	0.820		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
53-70-3	Dibenzo(a,h)anthracene	0.171		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
132-64-9	Dibenzofuran	0.0967	J	mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0968	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
206-44-0	Fluoranthene	1.75		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 1:50 pm

Date Received
03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.121		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.422		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
91-20-3	Naphthalene	0.0874	J	mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
85-01-8	Phenanthrene	1.24		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
108-95-2	Phenol	ND		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
129-00-0	Pyrene	1.38		mg/kg dry	0.0485	0.0968	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
110-86-1	Pyridine	ND		mg/kg dry	0.194	0.388	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 11:49	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	61.1 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	64.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.3 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	49.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	90.3 %	24-116								



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0110

170430001

Soil

March 2, 2021 1:50 pm

03/02/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 14:49	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	58.0 %								
					39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.
21C0110

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170430001

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March 2, 2021 1:50 pm

Date Received
03/02/2021

PFAS, NYSDEC Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.575	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:02	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		223 %		PFSu-H	25-150					
Surrogate: M5PFHxA		86.8 %			25-150					
Surrogate: M4PFHpA		180 %		PFSu-H	25-150					
Surrogate: M3PFHxS		114 %			25-150					
Surrogate: Perfluoro-n-[13C8]octanoic aci		85.9 %			25-150					
Surrogate: M6PFDA		64.2 %			25-150					
Surrogate: M7PFUdA		64.6 %			25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		78.2 %			25-150					
Surrogate: M2PFTeDA		54.9 %			10-150					
Surrogate: Perfluoro-n-[13C4]butanoic aci		84.1 %			25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfor		73.7 %			25-150					
Surrogate: Perfluoro-n-[13C5]pentanoic ac		183 %		PFSu-H	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfor		54.0 %			10-150					
Surrogate: d3-N-MeFOSAA		97.1 %			25-150					
Surrogate: d5-N-EtFOSAA		56.8 %			25-150					
Surrogate: M2-6:2 FTS		86.7 %			25-150					
Surrogate: M2-8:2 FTS		86.4 %			25-150					
Surrogate: M9PFNA		118 %			25-150					

Pesticides, 8081 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
72-55-9	4,4'-DDE	0.00709		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:50 pm

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Pesticides, 8081 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
5103-71-9	alpha-Chlordane	0.0106		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 10:58	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/05/2021 07:34	03/08/2021 10:58	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
5566-34-7	gamma-Chlordane	0.0108		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 10:58	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 10:58	CM
57-74-9	* Chlordane, total	0.0597		mg/kg dry	0.0386	5	EPA 8081B Certifications:	03/05/2021 07:34	03/08/2021 10:58	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	78.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	51.1 %	30-150							



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.
21C0110

Client Project ID
170430001

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Collection Date/Time
March 2, 2021 1:50 pm

Date Received
03/02/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:20	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	03/05/2021 07:34	03/06/2021 03:20	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	84.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	69.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0231	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 17:54	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0231	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 17:54	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0231	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 17:54	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	42.0 %	21-150							

Metals, Target Analyte

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

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Soil

March 2, 2021 1:50 pm

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Metals, Target Analyte

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8440		mg/kg dry	5.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-38-2	Arsenic	14.6		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-39-3	Barium	139		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.059	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-43-9	Cadmium	0.388		mg/kg dry	0.352	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-70-2	Calcium	128000		mg/kg dry	5.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-47-3	Chromium	23.0		mg/kg dry	0.586	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-48-4	Cobalt	6.63		mg/kg dry	0.469	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-50-8	Copper	23.1		mg/kg dry	2.34	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7439-89-6	Iron	14600		mg/kg dry	29.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7439-92-1	Lead	65.4		mg/kg dry	0.586	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7439-95-4	Magnesium	5900		mg/kg dry	5.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7439-96-5	Manganese	250		mg/kg dry	0.586	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-02-0	Nickel	20.5		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-09-7	Potassium	1980	B	mg/kg dry	5.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-22-4	Silver	ND		mg/kg dry	0.586	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-23-5	Sodium	259		mg/kg dry	58.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.93	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM
7440-62-2	Vanadium	25.2		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:02	WJM



Sample Information

Client Sample ID: SB04_0-0.5

York Sample ID: 21C0110-01

York Project (SDG) No.

21C0110

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 2, 2021 1:50 pm

Date Received

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Metals, Target Analyte

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	86.2		mg/kg dry	2.93	1	EPA 6010D	03/04/2021 13:47	03/08/2021 14:02	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.118		mg/kg dry	0.0352	1	EPA 7473	03/04/2021 16:42	03/04/2021 19:45	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	1.31		mg/kg dry	0.586	1	EPA 7196A	03/03/2021 08:50	03/03/2021 16:52	ALH
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.7		mg/kg	0.500	1	Calculation	03/08/2021 16:16	03/08/2021 16:17	MAO
							Certifications:			

Cyanide, Total

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0117	1	EPA 9014/9010C	03/04/2021 08:41	03/04/2021 14:57	ALH
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes:

VOA-CONT

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
solids	* % Solids	85.3		%	0.100	1	SM 2540G	03/03/2021 10:02	03/04/2021 08:46	OT
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:55 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 16:25	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 16:25	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.083	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
78-93-3	2-Butanone	0.0052	B, J	mg/kg dry	0.0021	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:55 pm

03/02/2021

Volatiles, 8260 Comprehensive

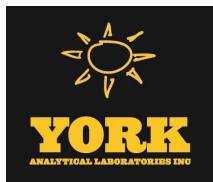
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
67-64-1	Acetone	0.0049	J	mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

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Soil

March 2, 2021 1:55 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0041	0.0083	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-65-0	tert-Butyl alcohol (TBA)	0.11		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:55 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 16:25	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0062	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 16:25	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.4 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	112 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
91-57-6	2-Methylnaphthalene	0.0511	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:55 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

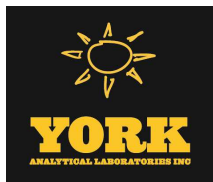
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
208-96-8	Acenaphthylene	0.0504	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
120-12-7	Anthracene	0.140		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
100-52-7	Benzaldehyde	0.213		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
56-55-3	Benzo(a)anthracene	0.502		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

21C0110

170430001

Soil

March 2, 2021 1:55 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.400		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
205-99-2	Benzo(b)fluoranthene	0.309		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
191-24-2	Benzo(g,h,i)perylene	0.284		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
207-08-9	Benzo(k)fluoranthene	0.322		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
65-85-0	Benzoic acid	0.225		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
86-74-8	Carbazole	0.0541	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
218-01-9	Chrysene	0.552		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
53-70-3	Dibenzo(a,h)anthracene	0.0992		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
206-44-0	Fluoranthene	0.892		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.
21C0110

Client Project ID
170430001

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Soil

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March 2, 2021 1:55 pm

Date Received
03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.225		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
91-20-3	Naphthalene	0.0804	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
85-01-8	Phenanthrene	0.650		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
129-00-0	Pyrene	0.993		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:20	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.5 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	65.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.3 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	91.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.5 %	24-116								



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

Client Project ID

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170430001

Soil

March 2, 2021 1:55 pm

03/02/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 15:07	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

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21C0110

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170430001

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March 2, 2021 1:55 pm

Date Received
03/02/2021

PFAS, NYSDEC Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.528	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 07:29	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		190 %		PFSu-H	25-150					
Surrogate: M5PFHxA		80.8 %			25-150					
Surrogate: M4PFHpA		150 %			25-150					
Surrogate: M3PFHxS		102 %			25-150					
Surrogate: Perfluoro-n-[13C8]octanoic aci		87.7 %			25-150					
Surrogate: M6PFDA		48.8 %			25-150					
Surrogate: M7PFUdA		42.4 %			25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		42.6 %			25-150					
Surrogate: M2PFTeDA		29.8 %			10-150					
Surrogate: Perfluoro-n-[13C4]butanoic aci		71.9 %			25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfor		61.0 %			25-150					
Surrogate: Perfluoro-n-[13C5]pentanoic ac		159 %		PFSu-H	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfor		28.2 %			10-150					
Surrogate: d3-N-MeFOSAA		80.1 %			25-150					
Surrogate: d5-N-EtFOSAA		38.4 %			25-150					
Surrogate: M2-6:2 FTS		185 %		PFSu-H	25-150					
Surrogate: M2-8:2 FTS		101 %			25-150					
Surrogate: M9PFNA		100 %			25-150					

Pesticides, 8081 Target List

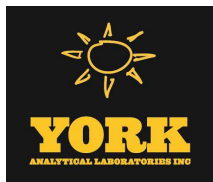
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

21C0110

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 2, 2021 1:55 pm

Date Received

03/02/2021

Pesticides, 8081 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 11:14	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/05/2021 07:34	03/08/2021 11:14	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 11:14	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:14	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0376	5	EPA 8081B Certifications:	03/05/2021 07:34	03/08/2021 11:14	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	73.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.9 %	30-150							



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 1:55 pm

Date Received
03/02/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:34	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	03/05/2021 07:34	03/06/2021 03:34	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	69.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0225	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:05	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0225	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:05	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0225	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:05	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	62.4 %	21-150							

Metals, Target Analyte

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE STRATFORD, CT 06615 132-02 89th AVENUE RICHMOND HILL, NY 11418										
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com										



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 1:55 pm

03/02/2021

Metals, Target Analyte

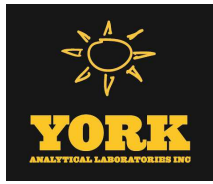
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10800		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-38-2	Arsenic	4.16		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-39-3	Barium	99.4		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.343	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-70-2	Calcium	5780		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-47-3	Chromium	15.9		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-48-4	Cobalt	5.14		mg/kg dry	0.457	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-50-8	Copper	41.2		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7439-89-6	Iron	10500		mg/kg dry	28.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7439-92-1	Lead	120		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7439-95-4	Magnesium	1870		mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7439-96-5	Manganese	95.1		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-02-0	Nickel	13.4		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-09-7	Potassium	1670	B	mg/kg dry	5.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-22-4	Silver	ND		mg/kg dry	0.571	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-23-5	Sodium	224		mg/kg dry	57.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM
7440-62-2	Vanadium	16.1		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:05	WJM



Sample Information

Client Sample ID: SB04_6-8

York Sample ID: 21C0110-02

York Project (SDG) No.

21C0110

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 2, 2021 1:55 pm

Date Received

03/02/2021

Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	101		mg/kg dry	2.86	1	EPA 6010D	03/04/2021 13:47	03/08/2021 14:05	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.296		mg/kg dry	0.0343	1	EPA 7473	03/04/2021 16:42	03/04/2021 19:54	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.571	1	EPA 7196A	03/03/2021 08:50	03/03/2021 16:52	ALH
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.9		mg/kg	0.500	1	Calculation	03/08/2021 16:16	03/08/2021 16:17	MAO
Certifications:										

Cyanide, Total

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0114	1	EPA 9014/9010C	03/04/2021 08:41	03/04/2021 14:57	ALH
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

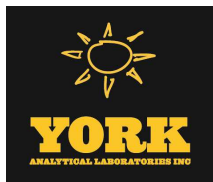
Total Solids

Log-in Notes: VOA-CONT

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
solids	* % Solids	87.5		%	0.100	1	SM 2540G	03/03/2021 21:44	03/04/2021 10:19	OT
Certifications: CTDOH										



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 2:00 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 13:53	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 13:53	MD
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.041	0.081	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
78-93-3	2-Butanone	0.0092	B	mg/kg dry	0.0020	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

Matrix

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21C0110

170430001

Soil

March 2, 2021 2:00 pm

03/02/2021

Volatiles, 8260 Comprehensive

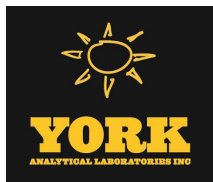
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
67-64-1	Acetone	0.020		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
71-43-2	Benzene	0.050		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 2:00 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
98-82-8	Isopropylbenzene	0.027	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
104-51-8	n-Butylbenzene	0.0064	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
103-65-1	n-Propylbenzene	0.0065	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
179601-23-1	p- & m- Xylenes	0.0053	J	mg/kg dry	0.0041	0.0081	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
135-98-8	sec-Butylbenzene	0.091	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-65-0	tert-Butyl alcohol (TBA)	0.14		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
98-06-6	tert-Butylbenzene	0.022	IS-LO	mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
108-88-3	Toluene	0.0048		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 2:00 pm

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Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0041	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 13:53	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0061	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 13:53	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.3 %									
2037-26-5	Surrogate: SURR: Toluene-d8	120 %									
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %	IS-LO								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 2:00 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0110

170430001

Soil

March 2, 2021 2:00 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
218-01-9	Chrysene	0.0646	J	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
206-44-0	Fluoranthene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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21C0110

170430001

Soil

March 2, 2021 2:00 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0477	J	mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
85-01-8	Phenanthrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
129-00-0	Pyrene	ND		mg/kg dry	0.0460	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
110-86-1	Pyridine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 12:52	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	72.7 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	74.0 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	91.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	83.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	122 %	S-08		19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	106 %			24-116						



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

Matrix

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21C0110

170430001

Soil

March 2, 2021 2:00 pm

03/02/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 15:42	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.
21C0110

Client Project ID
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March 2, 2021 2:00 pm

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PFAS, NYSDEC Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:22	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		213 %		PFSu-H	25-150					
Surrogate: M5PFHxA		85.5 %			25-150					
Surrogate: M4PFHpA		188 %		PFSu-H	25-150					
Surrogate: M3PFHxS		110 %			25-150					
Surrogate: Perfluoro-n-[13C8]octanoic aci		83.0 %			25-150					
Surrogate: M6PFDA		55.3 %			25-150					
Surrogate: M7PFUdA		53.4 %			25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		60.9 %			25-150					
Surrogate: M2PFTeDA		48.2 %			10-150					
Surrogate: Perfluoro-n-[13C4]butanoic aci		81.6 %			25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfor		63.9 %			25-150					
Surrogate: Perfluoro-n-[13C5]pentanoic ac		182 %		PFSu-H	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfor		54.5 %			10-150					
Surrogate: d3-N-MeFOSAA		103 %			25-150					
Surrogate: d5-N-EtFOSAA		57.3 %			25-150					
Surrogate: M2-6:2 FTS		83.8 %			25-150					
Surrogate: M2-8:2 FTS		66.6 %			25-150					
Surrogate: M9PFNA		116 %			25-150					

Pesticides, 8081 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.
21C0110

Client Project ID
170430001

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March 2, 2021 2:00 pm

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Pesticides, 8081 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 11:31	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/05/2021 07:34	03/08/2021 11:31	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 11:31	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:31	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B Certifications:	03/05/2021 07:34	03/08/2021 11:31	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	75.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.2 %	30-150							



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 2:00 pm

Date Received
03/02/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 03:47	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	03/05/2021 07:34	03/06/2021 03:47	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	65.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:15	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:15	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:15	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 88.4 %		21-150							

Metals, Target Analyte

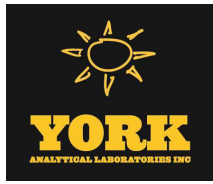
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 2:00 pm

03/02/2021

Metals, Target Analyte

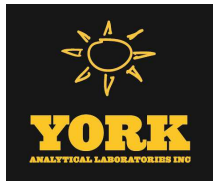
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7420		mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-38-2	Arsenic	2.15		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-39-3	Barium	33.7		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.335	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-70-2	Calcium	2000		mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-47-3	Chromium	14.5		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-48-4	Cobalt	7.15		mg/kg dry	0.447	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-50-8	Copper	14.2		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7439-89-6	Iron	13300		mg/kg dry	27.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7439-92-1	Lead	13.3		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7439-95-4	Magnesium	3060		mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7439-96-5	Manganese	127		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-02-0	Nickel	15.9		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-09-7	Potassium	1770	B	mg/kg dry	5.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-23-5	Sodium	213		mg/kg dry	55.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM
7440-62-2	Vanadium	22.5		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:08	WJM



Sample Information

Client Sample ID: SB04_12-14

York Sample ID: 21C0110-03

York Project (SDG) No.

21C0110

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 2, 2021 2:00 pm

Date Received

03/02/2021

Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	36.6		mg/kg dry	2.79	1	EPA 6010D	03/04/2021 13:47	03/08/2021 14:08	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473	03/04/2021 16:42	03/04/2021 20:03	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.558	1	EPA 7196A	03/03/2021 08:50	03/03/2021 16:52	ALH
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.5		mg/kg	0.500	1	Calculation	03/08/2021 16:16	03/08/2021 16:17	MAO
Certifications:										

Cyanide, Total

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0112	1	EPA 9014/9010C	03/04/2021 08:41	03/04/2021 14:57	ALH
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

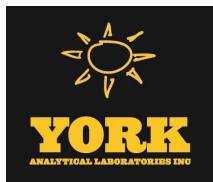
Total Solids

Log-in Notes: VOA-CONT

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
solids	* % Solids	89.6		%	0.100	1	SM 2540G	03/03/2021 21:44	03/04/2021 10:19	OT
Certifications: CTDOH										



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:00 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/04/2021 06:47	03/04/2021 15:19	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/04/2021 06:47	03/04/2021 15:19	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.073	0.15	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
78-93-3	2-Butanone	0.016	B	mg/kg dry	0.0036	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 4:00 pm

Date Received
03/02/2021

Volatiles, 8260 Comprehensive

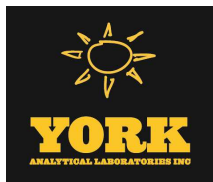
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
67-64-1	Acetone	0.028		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-15-0	Carbon disulfide	0.0048	J	mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:00 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0073	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:00 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0073	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:19	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/04/2021 06:47	03/04/2021 15:19	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	85.8 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	109 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	114 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:00 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

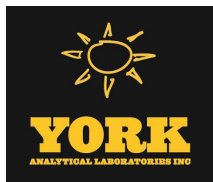
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
62-53-3	Aniline	ND		mg/kg dry	0.275	0.550	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
92-87-5	Benzidine	ND		mg/kg dry	0.275	0.550	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:00 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.132	J, B	mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
218-01-9	Chrysene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.137	0.275	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
206-44-0	Fluoranthene	0.0879	J	mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 4:00 pm

Date Received
03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
85-01-8	Phenanthrene	0.172		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
108-95-2	Phenol	ND		mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
129-00-0	Pyrene	0.105	J	mg/kg dry	0.0689	0.137	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
110-86-1	Pyridine	ND		mg/kg dry	0.275	0.550	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:24	CD
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	17.9 %		S-Alk				20-108			
4165-62-2	Surrogate: SURR: Phenol-d5	57.6 %						23-114			
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	78.2 %						22-108			
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	74.9 %						21-113			
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	18.6 %		S-Alk				19-110			
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.9 %						24-116			



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 4:00 pm

Date Received
03/02/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 16:00	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	58.0 %		39-127.5						

PFAS, NYSDEC Target List

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 4:00 pm

Date Received
03/02/2021

PFAS, NYSDEC Target List

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.825	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 08:49	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		218 %		PFSu-H	25-150					
Surrogate: M5PFHxA		84.0 %			25-150					
Surrogate: M4PFHpA		175 %		PFSu-H	25-150					
Surrogate: M3PFHxS		115 %			25-150					
Surrogate: Perfluoro-n-[13C8]octanoic acid		85.7 %			25-150					
Surrogate: M6PFDA		63.8 %			25-150					
Surrogate: M7PFUdA		64.8 %			25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		78.2 %			25-150					
Surrogate: M2PFTeDA		61.0 %			10-150					
Surrogate: Perfluoro-n-[13C4]butanoic acid		80.6 %			25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfon		72.5 %			25-150					
Surrogate: Perfluoro-n-[13C5]pentanoic acid		175 %		PFSu-H	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfon		53.5 %			10-150					
Surrogate: d3-N-MeFOSAA		99.2 %			25-150					
Surrogate: d5-N-EtFOSAA		52.3 %			25-150					
Surrogate: M2-6:2 FTS		84.4 %			25-150					
Surrogate: M2-8:2 FTS		81.3 %			25-150					
Surrogate: M9PFNA		125 %			25-150					

Pesticides, 8081 Target List

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 4:00 pm

Date Received
03/02/2021

Pesticides, 8081 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 11:48	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/05/2021 07:34	03/08/2021 11:48	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
72-20-8	Endrin	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 11:48	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.272	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 11:48	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0544	5	EPA 8081B Certifications:	03/05/2021 07:34	03/08/2021 11:48	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	78.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	43.5 %	30-150							



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 4:00 pm

Date Received
03/02/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:14	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0275	1	EPA 8082A Certifications:	03/05/2021 07:34	03/06/2021 04:14	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	65.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0330	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:26	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0330	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:26	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0330	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:26	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	46.0 %	21-150							

Metals, Target Analyte

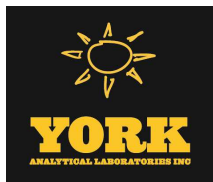
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:00 pm

03/02/2021

Metals, Target Analyte

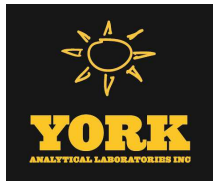
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	13900		mg/kg dry	8.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-36-0	Antimony	ND		mg/kg dry	4.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-38-2	Arsenic	8.38		mg/kg dry	2.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-39-3	Barium	377		mg/kg dry	4.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.083	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-43-9	Cadmium	0.648		mg/kg dry	0.496	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-70-2	Calcium	71100		mg/kg dry	8.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-47-3	Chromium	25.5		mg/kg dry	0.827	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-48-4	Cobalt	8.45		mg/kg dry	0.661	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-50-8	Copper	37.0		mg/kg dry	3.31	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7439-89-6	Iron	20700		mg/kg dry	41.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7439-92-1	Lead	27.2		mg/kg dry	0.827	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7439-95-4	Magnesium	9700		mg/kg dry	8.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7439-96-5	Manganese	569		mg/kg dry	0.827	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-02-0	Nickel	16.5		mg/kg dry	1.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-09-7	Potassium	870	B	mg/kg dry	8.27	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7782-49-2	Selenium	ND		mg/kg dry	4.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-22-4	Silver	ND		mg/kg dry	0.827	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-23-5	Sodium	443		mg/kg dry	82.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-28-0	Thallium	ND		mg/kg dry	4.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM
7440-62-2	Vanadium	34.2		mg/kg dry	1.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:10	WJM



Sample Information

Client Sample ID: SB09_6-8

York Sample ID: 21C0110-05

York Project (SDG) No.

21C0110

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 2, 2021 4:00 pm

Date Received

03/02/2021

Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	127		mg/kg dry	4.13	1	EPA 6010D	03/04/2021 13:47	03/08/2021 14:10	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0496	1	EPA 7473	03/04/2021 16:42	03/04/2021 20:40	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.827	1	EPA 7196A	03/03/2021 08:50	03/03/2021 16:52	ALH
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	25.5		mg/kg	0.500	1	Calculation	03/08/2021 16:16	03/08/2021 16:17	MAO
							Certifications:			

Cyanide, Total

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0165	1	EPA 9014/9010C	03/04/2021 08:41	03/04/2021 14:57	ALH
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total Solids

Log-in Notes: VOA-CONT

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
solids	* % Solids	60.5		%	0.100	1	SM 2540G	03/03/2021 21:44	03/04/2021 10:19	OT
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:05 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 17:51	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 17:51	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
95-63-6	1,2,4-Trimethylbenzene	2.5		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
108-67-8	1,3,5-Trimethylbenzene	1.2		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	4.4	8.8	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
78-93-3	2-Butanone	0.61	J, B	mg/kg dry	0.22	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:05 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
67-64-1	Acetone	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
71-43-2	Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:05 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
108-87-2	Methylcyclohexane	0.57		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
103-65-1	n-Propylbenzene	0.24	J	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.44	0.88	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
100-42-5	Styrene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
98-06-6	tert-Butylbenzene	0.36	J	mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
108-88-3	Toluene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.
21C0110

Client Project ID
170430001

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Soil

Collection Date/Time
March 2, 2021 4:05 pm

Date Received
03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.22	0.44	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 17:51	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.66	1.3	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 17:51	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.4 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	100 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %		76-130							

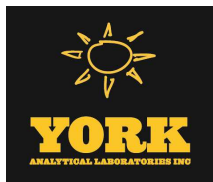
Semi-Volatiles, 8270 Comprehensive

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.187		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
91-57-6	2-Methylnaphthalene	1.30		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:05 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

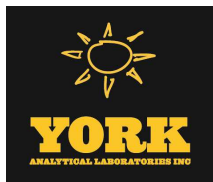
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
83-32-9	Acenaphthene	0.200		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
62-53-3	Aniline	ND		mg/kg dry	0.202	0.403	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
120-12-7	Anthracene	0.0539	J	mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
92-87-5	Benzidine	ND		mg/kg dry	0.202	0.403	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:05 pm

03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
218-01-9	Chrysene	0.290		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
132-64-9	Dibenzofuran	0.0885	J	mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
206-44-0	Fluoranthene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.
21C0110

Client Project ID
170430001

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Collection Date/Time
March 2, 2021 4:05 pm

Date Received
03/02/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.256		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
91-20-3	Naphthalene	0.245		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
85-01-8	Phenanthrene	0.400		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
108-95-2	Phenol	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
129-00-0	Pyrene	ND		mg/kg dry	0.0505	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
110-86-1	Pyridine	ND		mg/kg dry	0.202	0.403	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 13:55	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	44.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	58.7 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	125 %	S-08	22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.0 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	52.8 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	94.4 %		24-116							



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.
21C0110

Client Project ID
170430001

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March 2, 2021 4:05 pm

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03/02/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 16:18	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.0 %		39-127.5						

PFAS, NYSDEC Target List

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.
21C0110

Client Project ID
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March 2, 2021 4:05 pm

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PFAS, NYSDEC Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.597	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 09:16	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		231 %		PFSu-H	25-150					
Surrogate: M5PFHxA		89.8 %			25-150					
Surrogate: M4PFHpA		177 %		PFSu-H	25-150					
Surrogate: M3PFHxS		117 %			25-150					
Surrogate: Perfluoro-n-[13C8]octanoic acid		85.4 %			25-150					
Surrogate: M6PFDA		61.5 %			25-150					
Surrogate: M7PFUdA		55.9 %			25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		62.4 %			25-150					
Surrogate: M2PFTeDA		48.1 %			10-150					
Surrogate: Perfluoro-n-[13C4]butanoic acid		87.2 %			25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfon		73.6 %			25-150					
Surrogate: Perfluoro-n-[13C5]pentanoic acid		194 %		PFSu-H	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfon		53.3 %			10-150					
Surrogate: d3-N-MeFOSAA		107 %			25-150					
Surrogate: d5-N-EtFOSAA		52.8 %			25-150					
Surrogate: M2-6:2 FTS		80.9 %			25-150					
Surrogate: M2-8:2 FTS		67.4 %			25-150					
Surrogate: M9PFNA		118 %			25-150					

Pesticides, 8081 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM



Sample Information

Client Sample ID: SB09_8-10

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Pesticides, 8081 Target List

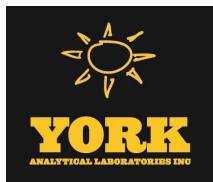
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 12:05	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/05/2021 07:34	03/08/2021 12:05	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
72-20-8	Endrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 07:34	03/08/2021 12:05	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/08/2021 12:05	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0398	5	EPA 8081B Certifications:	03/05/2021 07:34	03/08/2021 12:05	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	60.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	39.0 %	30-150							



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 07:34	03/06/2021 04:28	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications:	03/05/2021 07:34	03/06/2021 04:28	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	51.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0240	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:37	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0240	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:37	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0240	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 07:08	03/04/2021 18:37	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	72.8 %	21-150							

Metals, Target Analyte

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 2, 2021 4:05 pm

Date Received
03/02/2021

Metals, Target Analyte

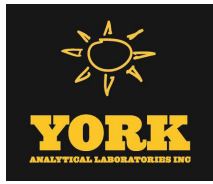
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6730		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-38-2	Arsenic	ND		mg/kg dry	1.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-39-3	Barium	144		mg/kg dry	3.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.363	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-70-2	Calcium	8540		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-47-3	Chromium	27.7		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-48-4	Cobalt	7.22		mg/kg dry	0.484	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-50-8	Copper	15.6		mg/kg dry	2.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7439-89-6	Iron	13200		mg/kg dry	30.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7439-92-1	Lead	21.5		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7439-95-4	Magnesium	2490		mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7439-96-5	Manganese	156		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-02-0	Nickel	17.8		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-09-7	Potassium	1460	B	mg/kg dry	6.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-22-4	Silver	ND		mg/kg dry	0.605	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-23-5	Sodium	130		mg/kg dry	60.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM
7440-62-2	Vanadium	21.2		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM



Sample Information

Client Sample ID: SB09_8-10

York Sample ID: 21C0110-06

York Project (SDG) No.

21C0110

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 2, 2021 4:05 pm

Date Received

03/02/2021

Metals, Target Analyte

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	40.2		mg/kg dry	3.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:47	03/08/2021 14:13	WJM

Mercury by 7473

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.131		mg/kg dry	0.0363	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/04/2021 16:42	03/04/2021 20:47	BR

Chromium, Hexavalent

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.605	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/03/2021 08:50	03/03/2021 16:52	ALH

Chromium, Trivalent

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	27.7		mg/kg	0.500	1	Calculation Certifications:	03/08/2021 16:16	03/08/2021 16:17	MAO

Cyanide, Total

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.0121	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/04/2021 08:41	03/04/2021 14:57	ALH

Total Solids

Log-in Notes: VOA-CONT

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
solids	* % Solids	82.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/03/2021 21:44	03/04/2021 10:19	OT



Sample Information

Client Sample ID: SB09_18-20

York Sample ID: 21C0110-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:10 pm

03/02/2021

Volatiles, 8260 Comprehensive

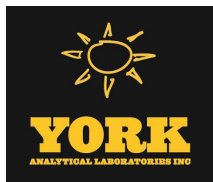
Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 18:17	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 18:17	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
95-63-6	1,2,4-Trimethylbenzene	0.0026	J	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
78-93-3	2-Butanone	0.0036	J, B	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA



Sample Information

Client Sample ID: SB09_18-20

York Sample ID: 21C0110-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:10 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
71-43-2	Benzene	0.049		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
110-82-7	Cyclohexane	0.0036	J	mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA



Sample Information

Client Sample ID: SB09_18-20

York Sample ID: 21C0110-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:10 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA



Sample Information

Client Sample ID: SB09_18-20

York Sample ID: 21C0110-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Soil

March 2, 2021 4:10 pm

03/02/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/03/2021 06:47	03/03/2021 18:17	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/03/2021 06:47	03/03/2021 18:17	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.6 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	99.4 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %	76-130								

Total Solids

Log-in Notes:

VOA-CONT

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
solids	* % Solids	80.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/16/2021 08:43	03/16/2021 15:52	OT



Sample Information

Client Sample ID: EC_FB01_030221

York Sample ID: 21C0110-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0110

170430001

Water

March 2, 2021 2:30 pm

03/02/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.70	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 11:33	WL



Sample Information

Client Sample ID: EC_FB01_030221

York Sample ID: 21C0110-08

York Project (SDG) No.
21C0110

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 2, 2021 2:30 pm

Date Received
03/02/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.88	1	EPA 537m	03/08/2021 18:46	03/10/2021 11:33	WL
Certifications:										
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		111 %	25-150							
Surrogate: M5PFHxA		108 %	25-150							
Surrogate: M4PFHpA		109 %	25-150							
Surrogate: M3PFHxS		106 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		92.1 %	25-150							
Surrogate: M6PFDA		93.3 %	25-150							
Surrogate: M7PFUdA		84.0 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		69.3 %	25-150							
Surrogate: M2PFTeDA		39.9 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		106 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		96.3 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic a		112 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		51.5 %	10-150							
Surrogate: d3-N-MeFOSAA		67.9 %	25-150							
Surrogate: d5-N-EtFOSAA		66.6 %	25-150							
Surrogate: M2-6:2 FTS		98.4 %	25-150							
Surrogate: M2-8:2 FTS		89.6 %	25-150							
Surrogate: M9PFNA		93.5 %	25-150							



Analytical Batch Summary

Batch ID: BC10172 **Preparation Method:** EPA SW846-3060 **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/03/21
21C0110-02	SB04_6-8	03/03/21
21C0110-03	SB04_12-14	03/03/21
21C0110-05	SB09_6-8	03/03/21
21C0110-06	SB09_8-10	03/03/21
BC10172-BLK1	Blank	03/03/21
BC10172-DUP1	Duplicate	03/03/21
BC10172-MS1	Matrix Spike	03/03/21
BC10172-MS2	Matrix Spike	03/03/21
BC10172-SRM1	Reference	03/03/21

Batch ID: BC10180 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/03/21
BC10180-DUP1	Duplicate	03/03/21

Batch ID: BC10192 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/03/21
21C0110-06	SB09_8-10	03/03/21
21C0110-07	SB09_18-20	03/03/21
BC10192-BLK1	Blank	03/03/21
BC10192-BLK2	Blank	03/03/21
BC10192-BLK3	Blank	03/03/21
BC10192-BLK4	Blank	03/03/21
BC10192-BS1	LCS	03/03/21
BC10192-BSD1	LCS Dup	03/03/21

Batch ID: BC10237 **Preparation Method:** % Solids Prep **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-02	SB04_6-8	03/03/21
21C0110-03	SB04_12-14	03/03/21
21C0110-05	SB09_6-8	03/03/21
21C0110-06	SB09_8-10	03/03/21
BC10237-DUP1	Duplicate	03/03/21

Batch ID: BC10244 **Preparation Method:** EPA 3550C/8151A **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/04/21



21C0110-02	SB04_6-8	03/04/21
21C0110-03	SB04_12-14	03/04/21
21C0110-05	SB09_6-8	03/04/21
21C0110-06	SB09_8-10	03/04/21
BC10244-BLK1	Blank	03/04/21
BC10244-BS1	LCS	03/04/21
BC10244-MS1	Matrix Spike	03/04/21
BC10244-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10254 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/04/21
21C0110-02	SB04_6-8	03/04/21
21C0110-03	SB04_12-14	03/04/21
21C0110-05	SB09_6-8	03/04/21
21C0110-06	SB09_8-10	03/04/21
BC10254-BLK1	Blank	03/04/21
BC10254-DUP1	Duplicate	03/04/21
BC10254-MS1	Matrix Spike	03/04/21
BC10254-SRM1	Reference	03/04/21

Batch ID: BC10276 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/04/21
21C0110-02	SB04_6-8	03/04/21
21C0110-03	SB04_12-14	03/04/21
21C0110-05	SB09_6-8	03/04/21
21C0110-06	SB09_8-10	03/04/21
BC10276-BLK1	Blank	03/04/21
BC10276-BS1	LCS	03/04/21
BC10276-MS1	Matrix Spike	03/04/21
BC10276-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10279 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/04/21
21C0110-02	SB04_6-8	03/04/21
21C0110-03	SB04_12-14	03/04/21
21C0110-05	SB09_6-8	03/04/21
21C0110-06	SB09_8-10	03/04/21
BC10279-BLK1	Blank	03/04/21
BC10279-DUP1	Duplicate	03/04/21
BC10279-MS1	Matrix Spike	03/04/21
BC10279-PS1	Post Spike	03/04/21
BC10279-SRM1	Reference	03/04/21



Batch ID: BC10282 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/04/21
21C0110-02	SB04_6-8	03/04/21
21C0110-03	SB04_12-14	03/04/21
21C0110-05	SB09_6-8	03/04/21
21C0110-06	SB09_8-10	03/04/21
BC10282-BLK1	Blank	03/04/21
BC10282-BS1	LCS	03/04/21
BC10282-MS1	Matrix Spike	03/04/21
BC10282-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10289 **Preparation Method:** EPA 5035A **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-05	SB09_6-8	03/04/21
BC10289-BLK1	Blank	03/04/21
BC10289-BS1	LCS	03/04/21
BC10289-BSD1	LCS Dup	03/04/21
BC10289-MS1	Matrix Spike	03/04/21
BC10289-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10301 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/04/21
21C0110-02	SB04_6-8	03/04/21
21C0110-03	SB04_12-14	03/04/21
21C0110-05	SB09_6-8	03/04/21
21C0110-06	SB09_8-10	03/04/21
BC10301-BLK1	Blank	03/04/21
BC10301-DUP1	Duplicate	03/04/21
BC10301-MS1	Matrix Spike	03/04/21
BC10301-SRM1	Reference	03/04/21

Batch ID: BC10316 **Preparation Method:** EPA 3550C **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/05/21
21C0110-02	SB04_6-8	03/05/21
21C0110-03	SB04_12-14	03/05/21
21C0110-05	SB09_6-8	03/05/21
21C0110-06	SB09_8-10	03/05/21
BC10316-BLK1	Blank	03/05/21
BC10316-BS1	LCS	03/05/21
BC10316-MS1	Matrix Spike	03/05/21
BC10316-MSD1	Matrix Spike Dup	03/05/21



Batch ID: BC10317

Preparation Method: EPA 3550C

Prepared By: YG

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/05/21
21C0110-01	SB04_0-0.5	03/05/21
21C0110-02	SB04_6-8	03/05/21
21C0110-02	SB04_6-8	03/05/21
21C0110-03	SB04_12-14	03/05/21
21C0110-03	SB04_12-14	03/05/21
21C0110-05	SB09_6-8	03/05/21
21C0110-05	SB09_6-8	03/05/21
21C0110-06	SB09_8-10	03/05/21
21C0110-06	SB09_8-10	03/05/21
BC10317-BLK1	Blank	03/05/21
BC10317-BLK2	Blank	03/05/21
BC10317-BS1	LCS	03/05/21
BC10317-BS2	LCS	03/05/21
BC10317-MS1	Matrix Spike	03/05/21
BC10317-MS2	Matrix Spike	03/05/21
BC10317-MSD1	Matrix Spike Dup	03/05/21
BC10317-MSD2	Matrix Spike Dup	03/05/21

Batch ID: BC10337

Preparation Method: EPA 5035A

Prepared By: MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-02	SB04_6-8	03/05/21
BC10337-BLK1	Blank	03/05/21
BC10337-BLK2	Blank	03/05/21
BC10337-BLK3	Blank	03/05/21
BC10337-BS1	LCS	03/05/21
BC10337-BSD1	LCS Dup	03/05/21

Batch ID: BC10455

Preparation Method: EPA 5035A

Prepared By: KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-03	SB04_12-14	03/08/21
BC10455-BLK1	Blank	03/08/21
BC10455-BLK2	Blank	03/08/21
BC10455-BLK3	Blank	03/08/21
BC10455-BLK4	Blank	03/08/21
BC10455-BS1	LCS	03/08/21
BC10455-BSD1	LCS Dup	03/08/21

Batch ID: BC10470

Preparation Method: Analysis Preparation

Prepared By: MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-01	SB04_0-0.5	03/08/21
21C0110-02	SB04_6-8	03/08/21
21C0110-03	SB04_12-14	03/08/21
21C0110-05	SB09_6-8	03/08/21



21C0110-06

SB09_8-10

03/08/21

Batch ID: BC10474**Preparation Method:** SPE Ext-PFAS-EPA 537.1M**Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-08	EC_FB01_030221	03/08/21
BC10474-BLK1	Blank	03/08/21
BC10474-BS1	LCS	03/08/21
BC10474-BSD1	LCS Dup	03/08/21
BC10474-MS1	Matrix Spike	03/08/21
BC10474-MS2	Matrix Spike	03/08/21

Batch ID: BC10913**Preparation Method:** % Solids Prep**Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0110-07	SB09_18-20	03/16/21
BC10913-DUP1	Duplicate	03/16/21



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 BC10192 - EPA 5035A											
Blank (BC10192-BLK1)	Blank										Prepared & Analyzed: 03/03/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0042	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								





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 BC10192 - EPA 5035A

Blank (BC10192-BLK1)	Blank		Prepared & Analyzed: 03/03/2021								
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	49.1		ug/L	50.0		98.2	77-125				
Surrogate: SURR: Toluene-d8	51.3		"	50.0		103	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.0		"	50.0		108	76-130				

Blank (BC10192-BLK2)	MEOH BLANK		Prepared & Analyzed: 03/03/2021								
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	0.59	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10192 - EPA 5035A

Blank (BC10192-BLK2)		MEOH BLANK				Prepared & Analyzed: 03/03/2021					
Bromoform	ND	0.50	mg/kg wet								
Bromomethane	ND	0.50	"								
Carbon disulfide	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	"								
Cyclohexane	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 acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	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: SURR: 1,2-Dichloroethane-d4	49.3		ug/L	50.0		98.5	77-125				
Surrogate: SURR: Toluene-d8	50.5		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	52.3		"	50.0		105	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
Blank (BC10192-BLK3)	HOLDING BLANK- 21C0110								Prepared & Analyzed: 03/03/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0048	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10192 - EPA 5035A

Blank (BC10192-BLK3)		HOLDING BLANK- 21C0110						Prepared & Analyzed: 03/03/2021			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.8		ug/L	50.0		97.6	77-125				
Surrogate: SURR: Toluene-d8	50.7		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	53.9		"	50.0		108	76-130				

Blank (BC10192-BLK4)		HOLDING BLANK- 21C0044						Prepared & Analyzed: 03/03/2021			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0054	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BC10192 - EPA 5035A

Blank (BC10192-BLK4)	HOLDING BLANK- 21C0044							Prepared & Analyzed: 03/03/2021			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.1		ug/L	50.0		96.3	77-125				
Surrogate: SURR: Toluene-d8	50.8		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.4		"	50.0		109	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
LCS (BC10192-BS1)	LCS	Prepared & Analyzed: 03/03/2021									
1,1,1,2-Tetrachloroethane	47.8		ug/L	50.0		95.6	75-129				
1,1,1-Trichloroethane	48.2		"	50.0		96.4	71-137				
1,1,2,2-Tetrachloroethane	51.8		"	50.0		104	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.5		"	50.0		111	58-146				
1,1,2-Trichloroethane	50.6		"	50.0		101	83-123				
1,1-Dichloroethane	47.1		"	50.0		94.2	75-130				
1,1-Dichloroethylene	53.4		"	50.0		107	64-137				
1,2,3-Trichlorobenzene	50.8		"	50.0		102	81-140				
1,2,3-Trichloropropane	50.3		"	50.0		101	81-126				
1,2,4-Trichlorobenzene	53.0		"	50.0		106	80-141				
1,2,4-Trimethylbenzene	49.6		"	50.0		99.2	84-125				
1,2-Dibromo-3-chloropropane	47.4		"	50.0		94.8	74-142				
1,2-Dibromoethane	51.2		"	50.0		102	86-123				
1,2-Dichlorobenzene	50.1		"	50.0		100	85-122				
1,2-Dichloroethane	49.9		"	50.0		99.7	71-133				
1,2-Dichloropropane	50.0		"	50.0		100	81-122				
1,3,5-Trimethylbenzene	50.9		"	50.0		102	82-126				
1,3-Dichlorobenzene	49.5		"	50.0		99.0	84-124				
1,4-Dichlorobenzene	49.6		"	50.0		99.1	84-124				
1,4-Dioxane	1330		"	1050		127	10-228				
2-Butanone	46.8		"	50.0		93.6	58-147				
2-Hexanone	49.8		"	50.0		99.6	70-139				
4-Methyl-2-pentanone	49.3		"	50.0		98.5	72-132				
Acetone	44.5		"	50.0		88.9	36-155				
Acrolein	68.2		"	50.0		136	10-238				
Acrylonitrile	50.2		"	50.0		100	66-141				
Benzene	50.6		"	50.0		101	77-127				
Bromochloromethane	46.2		"	50.0		92.5	74-129				
Bromodichloromethane	47.8		"	50.0		95.7	81-124				
Bromoform	49.7		"	50.0		99.4	80-136				
Bromomethane	73.2		"	50.0		146	32-177				
Carbon disulfide	54.4		"	50.0		109	10-136				
Carbon tetrachloride	51.8		"	50.0		104	66-143				
Chlorobenzene	49.9		"	50.0		99.8	86-120				
Chloroethane	60.2		"	50.0		120	51-142				
Chloroform	50.6		"	50.0		101	76-131				
Chloromethane	54.0		"	50.0		108	49-132				
cis-1,2-Dichloroethylene	49.9		"	50.0		99.8	74-132				
cis-1,3-Dichloropropylene	47.0		"	50.0		94.0	81-129				
Cyclohexane	48.0		"	50.0		96.1	70-130				
Dibromochloromethane	49.2		"	50.0		98.5	10-200				
Dibromomethane	50.8		"	50.0		102	83-124				
Dichlorodifluoromethane	57.7		"	50.0		115	28-158				
Ethyl Benzene	50.5		"	50.0		101	84-125				
Hexachlorobutadiene	53.0		"	50.0		106	83-133				
Isopropylbenzene	49.4		"	50.0		98.7	81-127				
Methyl acetate	42.0		"	50.0		84.1	41-143				
Methyl tert-butyl ether (MTBE)	53.9		"	50.0		108	74-131				
Methylcyclohexane	49.9		"	50.0		99.8	70-130				
Methylene chloride	48.9		"	50.0		97.8	57-141				
n-Butylbenzene	53.9		"	50.0		108	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
LCS (BC10192-BS1)	LCS		Prepared & Analyzed: 03/03/2021								
n-Propylbenzene	51.1		ug/L	50.0		102	74-136				
o-Xylene	50.1		"	50.0		100	83-123				
p- & m- Xylenes	107		"	100		107	82-128				
p-Isopropyltoluene	52.2		"	50.0		104	85-125				
sec-Butylbenzene	53.4		"	50.0		107	83-125				
Styrene	50.8		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	238		"	250		95.2	70-130				
tert-Butylbenzene	49.2		"	50.0		98.5	80-127				
Tetrachloroethylene	46.8		"	50.0		93.5	80-129				
Toluene	49.8		"	50.0		99.7	85-121				
trans-1,2-Dichloroethylene	52.6		"	50.0		105	72-132				
trans-1,3-Dichloropropylene	46.2		"	50.0		92.4	78-132				
Trichloroethylene	51.6		"	50.0		103	84-123				
Trichlorofluoromethane	60.9		"	50.0		122	62-140				
Vinyl Chloride	57.6		"	50.0		115	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	49.3		"	50.0		98.6	77-125				
Surrogate: SURR: Toluene-d8	50.8		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.0		"	50.0		100	76-130				
LCS Dup (BC10192-BS1)	LCS Dup		Prepared & Analyzed: 03/03/2021								
1,1,1,2-Tetrachloroethane	48.2		ug/L	50.0		96.4	75-129		0.813	30	
1,1,1-Trichloroethane	48.5		"	50.0		97.0	71-137		0.641	30	
1,1,2,2-Tetrachloroethane	53.1		"	50.0		106	79-129		2.48	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58.7		"	50.0		117	58-146		5.62	30	
1,1,2-Trichloroethane	50.9		"	50.0		102	83-123		0.473	30	
1,1-Dichloroethane	47.5		"	50.0		95.1	75-130		0.888	30	
1,1-Dichloroethylene	53.2		"	50.0		106	64-137		0.413	30	
1,2,3-Trichlorobenzene	52.0		"	50.0		104	81-140		2.32	30	
1,2,3-Trichloropropane	51.2		"	50.0		102	81-126		1.81	30	
1,2,4-Trichlorobenzene	52.7		"	50.0		105	80-141		0.568	30	
1,2,4-Trimethylbenzene	49.0		"	50.0		97.9	84-125		1.24	30	
1,2-Dibromo-3-chloropropane	48.0		"	50.0		96.0	74-142		1.26	30	
1,2-Dibromoethane	51.5		"	50.0		103	86-123		0.623	30	
1,2-Dichlorobenzene	50.6		"	50.0		101	85-122		0.994	30	
1,2-Dichloroethane	50.2		"	50.0		100	71-133		0.759	30	
1,2-Dichloropropane	49.5		"	50.0		99.0	81-122		1.10	30	
1,3,5-Trimethylbenzene	50.4		"	50.0		101	82-126		0.986	30	
1,3-Dichlorobenzene	49.4		"	50.0		98.7	84-124		0.283	30	
1,4-Dichlorobenzene	49.5		"	50.0		99.1	84-124		0.0404	30	
1,4-Dioxane	1280		"	1050		122	10-228		4.06	30	
2-Butanone	49.6		"	50.0		99.1	58-147		5.73	30	
2-Hexanone	51.0		"	50.0		102	70-139		2.36	30	
4-Methyl-2-pentanone	50.7		"	50.0		101	72-132		2.94	30	
Acetone	47.4		"	50.0		94.8	36-155		6.36	30	
Acrolein	68.0		"	50.0		136	10-238		0.220	30	
Acrylonitrile	50.4		"	50.0		101	66-141		0.577	30	
Benzene	50.2		"	50.0		100	77-127		0.972	30	
Bromochloromethane	46.5		"	50.0		93.0	74-129		0.539	30	
Bromodichloromethane	47.6		"	50.0		95.3	81-124		0.461	30	
Bromoform	50.7		"	50.0		101	80-136		1.91	30	
Bromomethane	67.4		"	50.0		135	32-177		8.32	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10192 - EPA 5035A											
LCS Dup (BC10192-BSD1)	LCS Dup		Prepared & Analyzed: 03/03/2021								
Carbon disulfide	55.7		ug/L	50.0		111	10-136		2.36	30	
Carbon tetrachloride	51.5		"	50.0		103	66-143		0.562	30	
Chlorobenzene	49.9		"	50.0		99.9	86-120		0.0401	30	
Chloroethane	55.7		"	50.0		111	51-142		7.87	30	
Chloroform	50.4		"	50.0		101	76-131		0.495	30	
Chloromethane	53.6		"	50.0		107	49-132		0.855	30	
cis-1,2-Dichloroethylene	49.0		"	50.0		98.0	74-132		1.84	30	
cis-1,3-Dichloropropylene	46.7		"	50.0		93.4	81-129		0.662	30	
Cyclohexane	47.1		"	50.0		94.2	70-130		1.95	30	
Dibromochloromethane	49.6		"	50.0		99.3	10-200		0.809	30	
Dibromomethane	51.0		"	50.0		102	83-124		0.295	30	
Dichlorodifluoromethane	57.3		"	50.0		115	28-158		0.609	30	
Ethyl Benzene	50.1		"	50.0		100	84-125		0.895	30	
Hexachlorobutadiene	53.4		"	50.0		107	83-133		0.789	30	
Isopropylbenzene	49.1		"	50.0		98.2	81-127		0.528	30	
Methyl acetate	42.9		"	50.0		85.9	41-143		2.14	30	
Methyl tert-butyl ether (MTBE)	54.4		"	50.0		109	74-131		0.850	30	
Methylcyclohexane	49.9		"	50.0		99.8	70-130		0.00	30	
Methylene chloride	48.5		"	50.0		97.0	57-141		0.801	30	
n-Butylbenzene	51.8		"	50.0		104	80-130		3.95	30	
n-Propylbenzene	50.8		"	50.0		102	74-136		0.490	30	
o-Xylene	48.9		"	50.0		97.8	83-123		2.48	30	
p- & m- Xylenes	106		"	100		106	82-128		0.263	30	
p-Isopropyltoluene	52.2		"	50.0		104	85-125		0.0192	30	
sec-Butylbenzene	53.5		"	50.0		107	83-125		0.243	30	
Styrene	50.6		"	50.0		101	86-126		0.335	30	
tert-Butyl alcohol (TBA)	253		"	250		101	70-130		5.94	30	
tert-Butylbenzene	49.4		"	50.0		98.9	80-127		0.385	30	
Tetrachloroethylene	46.7		"	50.0		93.4	80-129		0.0856	30	
Toluene	49.7		"	50.0		99.4	85-121		0.342	30	
trans-1,2-Dichloroethylene	51.6		"	50.0		103	72-132		2.00	30	
trans-1,3-Dichloropropylene	46.1		"	50.0		92.2	78-132		0.217	30	
Trichloroethylene	51.7		"	50.0		103	84-123		0.349	30	
Trichlorofluoromethane	57.5		"	50.0		115	62-140		5.66	30	
Vinyl Chloride	56.0		"	50.0		112	52-130		2.73	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.5		"	50.0		98.9	77-125				
Surrogate: SURR: Toluene-d8	50.6		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.1		"	50.0		100	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10289 - EPA 5035A											
Blank (BC10289-BLK1)	Blank										Prepared & Analyzed: 03/04/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0058	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10289 - EPA 5035A

Blank (BC10289-BLK1)	Blank		Prepared & Analyzed: 03/04/2021								
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.2		ug/L	50.0		96.4	77-125				
Surrogate: SURR: Toluene-d8	54.4		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	53.8		"	50.0		108	76-130				

LCS (BC10289-BS1)	LCS		Prepared & Analyzed: 03/04/2021								
1,1,1,2-Tetrachloroethane	41.8		ug/L	50.0		83.7	75-129				
1,1,1-Trichloroethane	39.9		"	50.0		79.8	71-137				
1,1,2,2-Tetrachloroethane	47.0		"	50.0		94.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.7		"	50.0		91.3	58-146				
1,1,2-Trichloroethane	43.5		"	50.0		87.0	83-123				
1,1-Dichloroethane	35.5		"	50.0		70.9	75-130	Low Bias			
1,1-Dichloroethylene	38.2		"	50.0		76.3	64-137				
1,2,3-Trichlorobenzene	45.2		"	50.0		90.5	81-140				
1,2,3-Trichloropropane	46.3		"	50.0		92.6	81-126				
1,2,4-Trichlorobenzene	47.9		"	50.0		95.8	80-141				
1,2,4-Trimethylbenzene	48.4		"	50.0		96.9	84-125				
1,2-Dibromo-3-chloropropane	47.8		"	50.0		95.6	74-142				
1,2-Dibromoethane	44.0		"	50.0		88.0	86-123				
1,2-Dichlorobenzene	45.7		"	50.0		91.5	85-122				
1,2-Dichloroethane	36.4		"	50.0		72.7	71-133				
1,2-Dichloropropane	40.8		"	50.0		81.7	81-122				
1,3,5-Trimethylbenzene	48.9		"	50.0		97.9	82-126				
1,3-Dichlorobenzene	45.8		"	50.0		91.6	84-124				
1,4-Dichlorobenzene	45.3		"	50.0		90.6	84-124				
1,4-Dioxane	1110		"	1050		106	10-228				
2-Butanone	38.5		"	50.0		77.0	58-147				
2-Hexanone	41.6		"	50.0		83.1	70-139				
4-Methyl-2-pentanone	39.9		"	50.0		79.8	72-132				
Acetone	29.1		"	50.0		58.3	36-155				
Acrolein	49.7		"	50.0		99.4	10-238				
Acrylonitrile	36.5		"	50.0		73.0	66-141				
Benzene	40.2		"	50.0		80.4	77-127				
Bromochloromethane	35.5		"	50.0		71.0	74-129	Low Bias			
Bromodichloromethane	42.4		"	50.0		84.7	81-124				
Bromoform	40.7		"	50.0		81.4	80-136				



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 BC10289 - EPA 5035A											
LCS (BC10289-BS1)	LCS		Prepared & Analyzed: 03/04/2021								
Bromomethane	52.4		ug/L	50.0		105	32-177				
Carbon disulfide	41.9		"	50.0		83.8	10-136				
Carbon tetrachloride	40.6		"	50.0		81.2	66-143				
Chlorobenzene	43.5		"	50.0		87.0	86-120				
Chloroethane	47.2		"	50.0		94.4	51-142				
Chloroform	38.2		"	50.0		76.3	76-131				
Chloromethane	49.2		"	50.0		98.4	49-132				
cis-1,2-Dichloroethylene	37.2		"	50.0		74.3	74-132				
cis-1,3-Dichloropropylene	43.9		"	50.0		87.7	81-129				
Cyclohexane	39.6		"	50.0		79.2	70-130				
Dibromochloromethane	44.1		"	50.0		88.2	10-200				
Dibromomethane	42.5		"	50.0		85.0	83-124				
Dichlorodifluoromethane	45.5		"	50.0		91.1	28-158				
Ethyl Benzene	44.0		"	50.0		88.0	84-125				
Hexachlorobutadiene	45.1		"	50.0		90.2	83-133				
Isopropylbenzene	47.8		"	50.0		95.5	81-127				
Methyl acetate	35.1		"	50.0		70.2	41-143				
Methyl tert-butyl ether (MTBE)	40.1		"	50.0		80.3	74-131				
Methylcyclohexane	47.1		"	50.0		94.2	70-130				
Methylene chloride	36.3		"	50.0		72.7	57-141				
n-Butylbenzene	50.8		"	50.0		102	80-130				
n-Propylbenzene	46.9		"	50.0		93.9	74-136				
o-Xylene	42.6		"	50.0		85.2	83-123				
p- & m- Xylenes	89.1		"	100		89.1	82-128				
p-Isopropyltoluene	50.0		"	50.0		100	85-125				
sec-Butylbenzene	51.0		"	50.0		102	83-125				
Styrene	44.2		"	50.0		88.5	86-126				
tert-Butyl alcohol (TBA)	227		"	250		90.7	70-130				
tert-Butylbenzene	42.6		"	50.0		85.2	80-127				
Tetrachloroethylene	38.7		"	50.0		77.3	80-129	Low Bias			
Toluene	42.5		"	50.0		85.0	85-121				
trans-1,2-Dichloroethylene	39.4		"	50.0		78.7	72-132				
trans-1,3-Dichloropropylene	44.8		"	50.0		89.6	78-132				
Trichloroethylene	45.9		"	50.0		91.8	84-123				
Trichlorofluoromethane	48.4		"	50.0		96.7	62-140				
Vinyl Chloride	53.6		"	50.0		107	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.7		"	50.0		93.4	77-125				
Surrogate: SURR: Toluene-d8	54.6		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.5		"	50.0		101	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10289 - EPA 5035A											
LCS Dup (BC10289-BSD1)	LCS Dup			Prepared & Analyzed: 03/04/2021							
1,1,1,2-Tetrachloroethane	50.0		ug/L	50.0		100	75-129		17.8	30	
1,1,1-Trichloroethane	48.4		"	50.0		96.9	71-137		19.4	30	
1,1,2,2-Tetrachloroethane	51.7		"	50.0		103	79-129		9.48	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55.6		"	50.0		111	58-146		19.7	30	
1,1,2-Trichloroethane	50.4		"	50.0		101	83-123		14.8	30	
1,1-Dichloroethane	42.2		"	50.0		84.5	75-130		17.5	30	
1,1-Dichloroethylene	44.9		"	50.0		89.8	64-137		16.2	30	
1,2,3-Trichlorobenzene	53.8		"	50.0		108	81-140		17.4	30	
1,2,3-Trichloropropane	52.6		"	50.0		105	81-126		12.8	30	
1,2,4-Trichlorobenzene	56.3		"	50.0		113	80-141		16.1	30	
1,2,4-Trimethylbenzene	55.4		"	50.0		111	84-125		13.5	30	
1,2-Dibromo-3-chloropropane	53.6		"	50.0		107	74-142		11.4	30	
1,2-Dibromoethane	52.0		"	50.0		104	86-123		16.7	30	
1,2-Dichlorobenzene	53.7		"	50.0		107	85-122		16.0	30	
1,2-Dichloroethane	41.7		"	50.0		83.4	71-133		13.7	30	
1,2-Dichloropropane	46.3		"	50.0		92.6	81-122		12.6	30	
1,3,5-Trimethylbenzene	56.0		"	50.0		112	82-126		13.5	30	
1,3-Dichlorobenzene	53.2		"	50.0		106	84-124		15.0	30	
1,4-Dichlorobenzene	52.8		"	50.0		106	84-124		15.2	30	
1,4-Dioxane	1390		"	1050		132	10-228		21.7	30	
2-Butanone	46.8		"	50.0		93.6	58-147		19.5	30	
2-Hexanone	48.1		"	50.0		96.2	70-139		14.7	30	
4-Methyl-2-pentanone	45.9		"	50.0		91.9	72-132		14.1	30	
Acetone	33.1		"	50.0		66.1	36-155		12.7	30	
Acrolein	57.4		"	50.0		115	10-238		14.4	30	
Acrylonitrile	43.1		"	50.0		86.2	66-141		16.6	30	
Benzene	48.1		"	50.0		96.2	77-127		17.9	30	
Bromochloromethane	40.3		"	50.0		80.6	74-129		12.6	30	
Bromodichloromethane	48.9		"	50.0		97.9	81-124		14.4	30	
Bromoform	49.4		"	50.0		98.9	80-136		19.4	30	
Bromomethane	57.9		"	50.0		116	32-177		10.0	30	
Carbon disulfide	49.7		"	50.0		99.4	10-136		17.1	30	
Carbon tetrachloride	50.1		"	50.0		100	66-143		20.9	30	
Chlorobenzene	51.2		"	50.0		102	86-120		16.4	30	
Chloroethane	54.2		"	50.0		108	51-142		13.9	30	
Chloroform	44.8		"	50.0		89.6	76-131		16.1	30	
Chloromethane	56.9		"	50.0		114	49-132		14.6	30	
cis-1,2-Dichloroethylene	43.4		"	50.0		86.7	74-132		15.4	30	
cis-1,3-Dichloropropylene	50.6		"	50.0		101	81-129		14.3	30	
Cyclohexane	46.2		"	50.0		92.4	70-130		15.4	30	
Dibromochloromethane	51.5		"	50.0		103	10-200		15.5	30	
Dibromomethane	49.0		"	50.0		98.1	83-124		14.2	30	
Dichlorodifluoromethane	54.5		"	50.0		109	28-158		17.9	30	
Ethyl Benzene	51.3		"	50.0		103	84-125		15.2	30	
Hexachlorobutadiene	55.9		"	50.0		112	83-133		21.4	30	
Isopropylbenzene	55.1		"	50.0		110	81-127		14.3	30	
Methyl acetate	40.9		"	50.0		81.8	41-143		15.2	30	
Methyl tert-butyl ether (MTBE)	47.0		"	50.0		94.1	74-131		15.8	30	
Methylcyclohexane	55.7		"	50.0		111	70-130		16.7	30	
Methylene chloride	41.2		"	50.0		82.3	57-141		12.4	30	
n-Butylbenzene	55.7		"	50.0		111	80-130		9.24	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10289 - EPA 5035A

LCS Dup (BC10289-BSD1)	LCS Dup	Prepared & Analyzed: 03/04/2021									
n-Propylbenzene	53.0	ug/L	50.0	106	74-136	12.1	30				
o-Xylene	49.7	"	50.0	99.4	83-123	15.4	30				
p- & m- Xylenes	104	"	100	104	82-128	15.4	30				
p-Isopropyltoluene	58.1	"	50.0	116	85-125	15.0	30				
sec-Butylbenzene	59.2	"	50.0	118	83-125	14.8	30				
Styrene	52.3	"	50.0	105	86-126	16.7	30				
tert-Butyl alcohol (TBA)	279	"	250	111	70-130	20.5	30				
tert-Butylbenzene	49.2	"	50.0	98.5	80-127	14.4	30				
Tetrachloroethylene	46.8	"	50.0	93.7	80-129	19.1	30				
Toluene	49.4	"	50.0	98.9	85-121	15.1	30				
trans-1,2-Dichloroethylene	46.2	"	50.0	92.3	72-132	15.9	30				
trans-1,3-Dichloropropylene	50.9	"	50.0	102	78-132	12.7	30				
Trichloroethylene	52.7	"	50.0	105	84-123	13.8	30				
Trichlorofluoromethane	57.3	"	50.0	115	62-140	17.0	30				
Vinyl Chloride	61.1	"	50.0	122	52-130	13.0	30				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.1	"	50.0	92.2	77-125						
Surrogate: SURR: Toluene-d8	54.3	"	50.0	109	85-120						
Surrogate: SURR: p-Bromofluorobenzene	48.6	"	50.0	97.2	76-130						

Matrix Spike (BC10289-MS1)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike) Prepared & Analyzed: 03/04/2021									
1,1,1,2-Tetrachloroethane	31.3	ug/L	50.0	0.00	62.7	15-161					
1,1,1-Trichloroethane	31.8	"	50.0	0.00	63.6	42-145					
1,1,2,2-Tetrachloroethane	34.5	"	50.0	0.00	69.0	16-167					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	36.5	"	50.0	0.00	73.0	11-160					
1,1,2-Trichloroethane	33.8	"	50.0	0.00	67.5	44-145					
1,1-Dichloroethane	28.9	"	50.0	0.00	57.8	46-142					
1,1-Dichloroethylene	30.7	"	50.0	0.00	61.3	30-153					
1,2,3-Trichlorobenzene	27.2	"	50.0	0.00	54.4	10-157					
1,2,3-Trichloropropane	36.0	"	50.0	0.00	71.9	38-155					
1,2,4-Trichlorobenzene	25.4	"	50.0	0.00	50.8	10-151					
1,2,4-Trimethylbenzene	33.6	"	50.0	0.00	67.1	10-170					
1,2-Dibromo-3-chloropropane	33.2	"	50.0	0.00	66.4	36-138					
1,2-Dibromoethane	33.5	"	50.0	0.00	67.0	40-142					
1,2-Dichlorobenzene	30.6	"	50.0	0.00	61.3	10-147					
1,2-Dichloroethane	28.3	"	50.0	0.00	56.6	48-133					
1,2-Dichloropropane	32.2	"	50.0	0.00	64.4	47-141					
1,3,5-Trimethylbenzene	34.2	"	50.0	0.00	68.5	10-150					
1,3-Dichlorobenzene	29.6	"	50.0	0.00	59.2	10-144					
1,4-Dichlorobenzene	28.5	"	50.0	0.00	57.0	10-160					
1,4-Dioxane	844	"	1050	0.00	80.4	10-191					
2-Butanone	31.5	"	50.0	5.00	53.0	10-189					
2-Hexanone	30.8	"	50.0	0.00	61.5	10-181					
4-Methyl-2-pentanone	30.7	"	50.0	0.00	61.4	10-166					
Acetone	23.5	"	50.0	0.00	47.0	10-196					
Acrolein	4.53	"	50.0	0.00	9.06	10-192	Low Bias				
Acrylonitrile	27.7	"	50.0	0.00	55.3	13-161					
Benzene	32.7	"	50.0	0.00	65.4	43-139					
Bromochloromethane	27.3	"	50.0	0.00	54.6	38-145					
Bromodichloromethane	32.1	"	50.0	0.00	64.2	38-147					
Bromoform	30.0	"	50.0	0.00	60.1	29-156					
Bromomethane	36.5	"	50.0	0.00	73.1	10-166					



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 BC10289 - EPA 5035A

Matrix Spike (BC10289-MS1)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike)					Prepared & Analyzed: 03/04/2021				
Carbon disulfide	33.5		ug/L	50.0	0.00	66.9	10-131				
Carbon tetrachloride	31.2		"	50.0	0.00	62.3	35-145				
Chlorobenzene	32.1		"	50.0	0.00	64.1	21-154				
Chloroethane	36.6		"	50.0	0.00	73.3	15-160				
Chloroform	30.3		"	50.0	0.00	60.6	47-142				
Chloromethane	39.6		"	50.0	0.00	79.2	10-159				
cis-1,2-Dichloroethylene	28.5		"	50.0	0.00	57.0	42-144				
cis-1,3-Dichloropropylene	30.7		"	50.0	0.00	61.3	18-159				
Cyclohexane	32.1		"	50.0	0.00	64.2	70-130	Low Bias			
Dibromochloromethane	32.9		"	50.0	0.00	65.8	10-179				
Dibromomethane	32.5		"	50.0	0.00	65.0	47-143				
Dichlorodifluoromethane	40.7		"	50.0	0.00	81.5	10-145				
Ethyl Benzene	32.8		"	50.0	0.00	65.6	11-158				
Hexachlorobutadiene	29.7		"	50.0	0.00	59.4	10-158				
Isopropylbenzene	35.9		"	50.0	0.00	71.8	10-162				
Methyl acetate	27.5		"	50.0	0.00	55.0	10-149				
Methyl tert-butyl ether (MTBE)	31.9		"	50.0	0.00	63.8	42-152				
Methylcyclohexane	37.1		"	50.0	0.00	74.1	70-130				
Methylene chloride	30.8		"	50.0	0.00	61.7	28-151				
n-Butylbenzene	31.4		"	50.0	0.00	62.8	10-162				
n-Propylbenzene	33.3		"	50.0	0.00	66.6	10-155				
o-Xylene	31.8		"	50.0	0.00	63.6	10-158				
p- & m- Xylenes	64.2		"	100	0.00	64.2	10-156				
p-Isopropyltoluene	34.5		"	50.0	0.00	68.9	10-147				
sec-Butylbenzene	37.4		"	50.0	0.00	74.9	10-157				
Styrene	31.7		"	50.0	0.00	63.4	13-171				
tert-Butyl alcohol (TBA)	157		"	250	0.00	62.8	34-179				
tert-Butylbenzene	32.3		"	50.0	0.00	64.6	10-160				
Tetrachloroethylene	28.4		"	50.0	0.00	56.7	30-167				
Toluene	32.4		"	50.0	0.00	64.9	21-160				
trans-1,2-Dichloroethylene	31.0		"	50.0	0.00	61.9	29-153				
trans-1,3-Dichloropropylene	29.0		"	50.0	0.00	58.0	18-155				
Trichloroethylene	34.7		"	50.0	0.00	69.5	24-169				
Trichlorofluoromethane	36.8		"	50.0	0.00	73.7	35-142				
Vinyl Chloride	41.0		"	50.0	0.00	82.0	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.9		"	50.0		93.8	77-125				
Surrogate: SURR: Toluene-d8	54.6		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.1		"	50.0		102	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10289 - EPA 5035A											
Matrix Spike Dup (BC10289-1) Matrix Spike Dup						Source sample: 21C0044-01 (Matrix Spike Dup)					
						Prepared & Analyzed: 03/04/2021					
1,1,1,2-Tetrachloroethane	34.5		ug/L	50.0	0.00	68.9	15-161		9.52	33	
1,1,1-Trichloroethane	34.4		"	50.0	0.00	68.8	42-145		7.76	30	
1,1,2,2-Tetrachloroethane	37.6		"	50.0	0.00	75.3	16-167		8.71	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	38.7		"	50.0	0.00	77.4	11-160		5.91	31	
1,1,2-Trichloroethane	36.7		"	50.0	0.00	73.4	44-145		8.34	40	
1,1-Dichloroethane	30.8		"	50.0	0.00	61.5	46-142		6.24	36	
1,1-Dichloroethylene	32.9		"	50.0	0.00	65.8	30-153		7.02	31	
1,2,3-Trichlorobenzene	26.8		"	50.0	0.00	53.6	10-157		1.37	47	
1,2,3-Trichloropropane	37.8		"	50.0	0.00	75.5	38-155		4.83	48	
1,2,4-Trichlorobenzene	23.8		"	50.0	0.00	47.5	10-151		6.67	52	
1,2,4-Trimethylbenzene	34.0		"	50.0	0.00	68.0	10-170		1.24	242	
1,2-Dibromo-3-chloropropane	35.5		"	50.0	0.00	71.0	36-138		6.81	54	
1,2-Dibromoethane	36.4		"	50.0	0.00	72.8	40-142		8.33	39	
1,2-Dichlorobenzene	31.6		"	50.0	0.00	63.3	10-147		3.21	52	
1,2-Dichloroethane	30.2		"	50.0	0.00	60.5	48-133		6.70	32	
1,2-Dichloropropane	34.3		"	50.0	0.00	68.6	47-141		6.37	37	
1,3,5-Trimethylbenzene	35.1		"	50.0	0.00	70.2	10-150		2.51	62	
1,3-Dichlorobenzene	29.8		"	50.0	0.00	59.5	10-144		0.505	51	
1,4-Dichlorobenzene	28.8		"	50.0	0.00	57.5	10-160		0.943	52	
1,4-Dioxane	1130		"	1050	0.00	108	10-191		29.1	196	
2-Butanone	33.1		"	50.0	5.00	56.1	10-189		4.83	67	
2-Hexanone	33.9		"	50.0	0.00	67.8	10-181		9.68	60	
4-Methyl-2-pentanone	33.2		"	50.0	0.00	66.5	10-166		7.91	47	
Acetone	23.4		"	50.0	0.00	46.9	10-196		0.256	150	
Acrolein	8.32		"	50.0	0.00	16.6	10-192		59.0	128	
Acrylonitrile	29.8		"	50.0	0.00	59.5	13-161		7.24	48	
Benzene	34.4		"	50.0	0.00	68.8	43-139		4.95	64	
Bromochloromethane	29.4		"	50.0	0.00	58.7	38-145		7.31	30	
Bromodichloromethane	34.9		"	50.0	0.00	69.8	38-147		8.33	37	
Bromoform	33.3		"	50.0	0.00	66.6	29-156		10.3	51	
Bromomethane	44.7		"	50.0	0.00	89.4	10-166		20.1	42	
Carbon disulfide	35.4		"	50.0	0.00	70.9	10-131		5.78	36	
Carbon tetrachloride	33.9		"	50.0	0.00	67.7	35-145		8.37	31	
Chlorobenzene	33.5		"	50.0	0.00	67.0	21-154		4.36	32	
Chloroethane	39.3		"	50.0	0.00	78.5	15-160		6.96	40	
Chloroform	32.4		"	50.0	0.00	64.8	47-142		6.60	29	
Chloromethane	41.5		"	50.0	0.00	82.9	10-159		4.66	31	
cis-1,2-Dichloroethylene	30.4		"	50.0	0.00	60.8	42-144		6.38	30	
cis-1,3-Dichloropropylene	32.5		"	50.0	0.00	65.1	18-159		5.89	39	
Cyclohexane	34.1		"	50.0	0.00	68.2	70-130	Low Bias	6.01	30	
Dibromochloromethane	36.2		"	50.0	0.00	72.3	10-179		9.41	41	
Dibromomethane	34.9		"	50.0	0.00	69.7	47-143		7.01	41	
Dichlorodifluoromethane	42.6		"	50.0	0.00	85.3	10-145		4.53	34	
Ethyl Benzene	34.4		"	50.0	0.00	68.8	11-158		4.76	42	
Hexachlorobutadiene	29.9		"	50.0	0.00	59.9	10-158		0.805	45	
Isopropylbenzene	37.4		"	50.0	0.00	74.8	10-162		4.09	57	
Methyl acetate	29.6		"	50.0	0.00	59.2	10-149		7.25	64	
Methyl tert-butyl ether (MTBE)	34.3		"	50.0	0.00	68.5	42-152		7.20	47	
Methylcyclohexane	40.5		"	50.0	0.00	80.9	70-130		8.74	30	
Methylene chloride	31.0		"	50.0	0.00	61.9	28-151		0.356	49	
n-Butylbenzene	29.4		"	50.0	0.00	58.8	10-162		6.68	96	



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 BC10289 - EPA 5035A

Matrix Spike Dup (BC10289-1) Matrix Spike Dup						Source sample: 21C0044-01 (Matrix Spike Dup)						Prepared & Analyzed: 03/04/2021	
n-Propylbenzene	34.2		ug/L	50.0	0.00	68.3	10-155		2.49	56			
o-Xylene	33.3		"	50.0	0.00	66.6	10-158		4.55	51			
p- & m- Xylenes	67.2		"	100	0.00	67.2	10-156		4.45	47			
p-Isopropyltoluene	34.8		"	50.0	0.00	69.6	10-147		1.04	60			
sec-Butylbenzene	38.7		"	50.0	0.00	77.4	10-157		3.34	56			
Styrene	33.1		"	50.0	0.00	66.2	13-171		4.23	39			
tert-Butyl alcohol (TBA)	182		"	250	0.00	72.7	34-179		14.7	35			
tert-Butylbenzene	33.8		"	50.0	0.00	67.6	10-160		4.45	79			
Tetrachloroethylene	29.8		"	50.0	0.00	59.6	30-167		4.88	33			
Toluene	34.4		"	50.0	0.00	68.8	21-160		5.84	50			
trans-1,2-Dichloroethylene	32.8		"	50.0	0.00	65.6	29-153		5.68	30			
trans-1,3-Dichloropropylene	32.1		"	50.0	0.00	64.2	18-155		10.3	30			
Trichloroethylene	36.6		"	50.0	0.00	73.1	24-169		5.13	30			
Trichlorofluoromethane	38.9		"	50.0	0.00	77.8	35-142		5.52	30			
Vinyl Chloride	44.2		"	50.0	0.00	88.3	12-160		7.40	35			
Surrogate: SURR: 1,2-Dichloroethane-d4	47.6		"	50.0		95.2	77-125						
Surrogate: SURR: Toluene-d8	54.5		"	50.0		109	85-120						
Surrogate: SURR: p-Bromofluorobenzene	50.8		"	50.0		102	76-130						

Batch BC10337 - EPA 5035A

Blank (BC10337-BLK1)	Blank	Prepared & Analyzed: 03/05/2021											
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet										
1,1,1-Trichloroethane	ND	0.0050	"										
1,1,2,2-Tetrachloroethane	ND	0.0050	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"										
1,1,2-Trichloroethane	ND	0.0050	"										
1,1-Dichloroethane	ND	0.0050	"										
1,1-Dichloroethylene	ND	0.0050	"										
1,2,3-Trichlorobenzene	ND	0.0050	"										
1,2,3-Trichloropropane	ND	0.0050	"										
1,2,4-Trichlorobenzene	ND	0.0050	"										
1,2,4-Trimethylbenzene	ND	0.0050	"										
1,2-Dibromo-3-chloropropane	ND	0.0050	"										
1,2-Dibromoethane	ND	0.0050	"										
1,2-Dichlorobenzene	ND	0.0050	"										
1,2-Dichloroethane	ND	0.0050	"										
1,2-Dichloropropane	ND	0.0050	"										
1,3,5-Trimethylbenzene	ND	0.0050	"										
1,3-Dichlorobenzene	ND	0.0050	"										
1,4-Dichlorobenzene	ND	0.0050	"										
1,4-Dioxane	ND	0.10	"										
2-Butanone	0.0065	0.0050	"										
2-Hexanone	ND	0.0050	"										
4-Methyl-2-pentanone	ND	0.0050	"										
Acetone	ND	0.010	"										
Acrolein	ND	0.010	"										
Acrylonitrile	ND	0.0050	"										
Benzene	ND	0.0050	"										
Bromochloromethane	ND	0.0050	"										
Bromodichloromethane	ND	0.0050	"										



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 BC10337 - EPA 5035A

Blank (BC10337-BLK1)	Blank		Prepared & Analyzed: 03/05/2021								
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	46.6		ug/L	50.0		93.2	77-125				
Surrogate: SURRE: Toluene-d8	54.8		"	50.0		110	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	54.8		"	50.0		110	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10337 - EPA 5035A

Blank (BC10337-BLK2)		HOLDING BLANK-21C0175				Prepared & Analyzed: 03/05/2021					
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0058	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10337 - EPA 5035A

Blank (BC10337-BLK2)		HOLDING BLANK-21C0175						Prepared & Analyzed: 03/05/2021			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.5		ug/L	50.0		97.0	77-125				
Surrogate: SURR: Toluene-d8	55.1		"	50.0		110	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.9		"	50.0		110	76-130				

Blank (BC10337-BLK3)		HOLDING BLANK-210167						Prepared & Analyzed: 03/05/2021			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0055	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BC10337 - EPA 5035A

Blank (BC10337-BLK3)	HOLDING BLANK-210167							Prepared & Analyzed: 03/05/2021			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>47.8</i>		<i>ug/L</i>	<i>50.0</i>		<i>95.6</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>54.5</i>		<i>"</i>	<i>50.0</i>		<i>109</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>54.2</i>		<i>"</i>	<i>50.0</i>		<i>108</i>	<i>76-130</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 BC10337 - EPA 5035A											
LCS (BC10337-BS1)	LCS		Prepared & Analyzed: 03/05/2021								
1,1,1,2-Tetrachloroethane	42.0		ug/L	50.0		84.0	75-129				
1,1,1-Trichloroethane	41.6		"	50.0		83.2	71-137				
1,1,2,2-Tetrachloroethane	46.9		"	50.0		93.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.6		"	50.0		97.2	58-146				
1,1,2-Trichloroethane	42.9		"	50.0		85.7	83-123				
1,1-Dichloroethane	36.6		"	50.0		73.1	75-130	Low Bias			
1,1-Dichloroethylene	39.7		"	50.0		79.3	64-137				
1,2,3-Trichlorobenzene	44.7		"	50.0		89.5	81-140				
1,2,3-Trichloropropane	47.1		"	50.0		94.2	81-126				
1,2,4-Trichlorobenzene	47.2		"	50.0		94.4	80-141				
1,2,4-Trimethylbenzene	49.1		"	50.0		98.3	84-125				
1,2-Dibromo-3-chloropropane	48.0		"	50.0		95.9	74-142				
1,2-Dibromoethane	43.9		"	50.0		87.8	86-123				
1,2-Dichlorobenzene	45.4		"	50.0		90.8	85-122				
1,2-Dichloroethane	35.0		"	50.0		70.1	71-133	Low Bias			
1,2-Dichloropropane	39.9		"	50.0		79.8	81-122	Low Bias			
1,3,5-Trimethylbenzene	49.5		"	50.0		98.9	82-126				
1,3-Dichlorobenzene	46.2		"	50.0		92.5	84-124				
1,4-Dichlorobenzene	45.6		"	50.0		91.3	84-124				
1,4-Dioxane	1040		"	1050		99.1	10-228				
2-Butanone	39.2		"	50.0		78.4	58-147				
2-Hexanone	40.1		"	50.0		80.2	70-139				
4-Methyl-2-pentanone	38.4		"	50.0		76.7	72-132				
Acetone	28.8		"	50.0		57.7	36-155				
Acrolein	50.1		"	50.0		100	10-238				
Acrylonitrile	37.6		"	50.0		75.2	66-141				
Benzene	41.3		"	50.0		82.5	77-127				
Bromochloromethane	34.8		"	50.0		69.6	74-129	Low Bias			
Bromodichloromethane	42.0		"	50.0		84.0	81-124				
Bromoform	40.5		"	50.0		81.1	80-136				
Bromomethane	48.4		"	50.0		96.9	32-177				
Carbon disulfide	44.2		"	50.0		88.5	10-136				
Carbon tetrachloride	41.9		"	50.0		83.8	66-143				
Chlorobenzene	43.7		"	50.0		87.4	86-120				
Chloroethane	44.8		"	50.0		89.6	51-142				
Chloroform	38.2		"	50.0		76.5	76-131				
Chloromethane	47.5		"	50.0		94.9	49-132				
cis-1,2-Dichloroethylene	37.5		"	50.0		75.0	74-132				
cis-1,3-Dichloropropylene	43.6		"	50.0		87.2	81-129				
Cyclohexane	39.0		"	50.0		78.1	70-130				
Dibromochloromethane	43.3		"	50.0		86.5	10-200				
Dibromomethane	42.2		"	50.0		84.3	83-124				
Dichlorodifluoromethane	51.8		"	50.0		104	28-158				
Ethyl Benzene	44.9		"	50.0		89.8	84-125				
Hexachlorobutadiene	47.6		"	50.0		95.1	83-133				
Isopropylbenzene	49.5		"	50.0		98.9	81-127				
Methyl acetate	33.8		"	50.0		67.5	41-143				
Methyl tert-butyl ether (MTBE)	36.6		"	50.0		73.3	74-131	Low Bias			
Methylcyclohexane	47.2		"	50.0		94.4	70-130				
Methylene chloride	35.9		"	50.0		71.7	57-141				
n-Butylbenzene	48.2		"	50.0		96.4	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10337 - EPA 5035A											
LCS (BC10337-BS1)	LCS		Prepared & Analyzed: 03/05/2021								
n-Propylbenzene	48.6		ug/L	50.0		97.2	74-136				
o-Xylene	43.0		"	50.0		86.0	83-123				
p- & m- Xylenes	90.4		"	100		90.4	82-128				
p-Isopropyltoluene	51.6		"	50.0		103	85-125				
sec-Butylbenzene	53.3		"	50.0		107	83-125				
Styrene	44.2		"	50.0		88.4	86-126				
tert-Butyl alcohol (TBA)	229		"	250		91.4	70-130				
tert-Butylbenzene	43.9		"	50.0		87.8	80-127				
Tetrachloroethylene	39.8		"	50.0		79.5	80-129	Low Bias			
Toluene	43.1		"	50.0		86.1	85-121				
trans-1,2-Dichloroethylene	40.5		"	50.0		81.0	72-132				
trans-1,3-Dichloropropylene	43.1		"	50.0		86.3	78-132				
Trichloroethylene	46.9		"	50.0		93.8	84-123				
Trichlorofluoromethane	46.8		"	50.0		93.6	62-140				
Vinyl Chloride	52.1		"	50.0		104	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.2		"	50.0		92.3	77-125				
Surrogate: SURR: Toluene-d8	55.1		"	50.0		110	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.9		"	50.0		102	76-130				
LCS Dup (BC10337-BS1)	LCS Dup		Prepared & Analyzed: 03/05/2021								
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		21.6	30	
1,1,1-Trichloroethane	51.8		"	50.0		104	71-137		21.9	30	
1,1,2,2-Tetrachloroethane	54.5		"	50.0		109	79-129		14.8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.0		"	50.0		120	58-146		20.9	30	
1,1,2-Trichloroethane	52.3		"	50.0		105	83-123		19.8	30	
1,1-Dichloroethane	44.8		"	50.0		89.7	75-130		20.4	30	
1,1-Dichloroethylene	48.5		"	50.0		97.1	64-137		20.1	30	
1,2,3-Trichlorobenzene	55.7		"	50.0		111	81-140		21.9	30	
1,2,3-Trichloropropane	55.2		"	50.0		110	81-126		15.8	30	
1,2,4-Trichlorobenzene	59.2		"	50.0		118	80-141		22.5	30	
1,2,4-Trimethylbenzene	59.3		"	50.0		119	84-125		18.7	30	
1,2-Dibromo-3-chloropropane	54.3		"	50.0		109	74-142		12.4	30	
1,2-Dibromoethane	53.4		"	50.0		107	86-123		19.4	30	
1,2-Dichlorobenzene	57.1		"	50.0		114	85-122		22.8	30	
1,2-Dichloroethane	43.2		"	50.0		86.4	71-133		20.8	30	
1,2-Dichloropropane	48.3		"	50.0		96.5	81-122		19.0	30	
1,3,5-Trimethylbenzene	60.3		"	50.0		121	82-126		19.7	30	
1,3-Dichlorobenzene	57.1		"	50.0		114	84-124		21.0	30	
1,4-Dichlorobenzene	56.0		"	50.0		112	84-124		20.4	30	
1,4-Dioxane	1230		"	1050		117	10-228		16.7	30	
2-Butanone	45.4		"	50.0		90.8	58-147		14.6	30	
2-Hexanone	46.3		"	50.0		92.5	70-139		14.3	30	
4-Methyl-2-pentanone	44.2		"	50.0		88.4	72-132		14.1	30	
Acetone	32.0		"	50.0		63.9	36-155		10.3	30	
Acrolein	60.2		"	50.0		120	10-238		18.3	30	
Acrylonitrile	44.2		"	50.0		88.4	66-141		16.1	30	
Benzene	51.5		"	50.0		103	77-127		22.2	30	
Bromochloromethane	42.4		"	50.0		84.9	74-129		19.8	30	
Bromodichloromethane	51.0		"	50.0		102	81-124		19.5	30	
Bromoform	50.3		"	50.0		101	80-136		21.4	30	
Bromomethane	56.9		"	50.0		114	32-177		16.1	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10337 - EPA 5035A											
LCS Dup (BC10337-BSD1)	LCS Dup		Prepared & Analyzed: 03/05/2021								
Carbon disulfide	54.4		ug/L	50.0		109	10-136		20.5	30	
Carbon tetrachloride	53.8		"	50.0		108	66-143		24.7	30	
Chlorobenzene	53.8		"	50.0		108	86-120		20.7	30	
Chloroethane	51.8		"	50.0		104	51-142		14.5	30	
Chloroform	46.9		"	50.0		93.8	76-131		20.3	30	
Chloromethane	57.4		"	50.0		115	49-132		19.0	30	
cis-1,2-Dichloroethylene	46.2		"	50.0		92.4	74-132		20.8	30	
cis-1,3-Dichloropropylene	52.2		"	50.0		104	81-129		18.0	30	
Cyclohexane	48.4		"	50.0		96.8	70-130		21.5	30	
Dibromochloromethane	54.2		"	50.0		108	10-200		22.4	30	
Dibromomethane	50.6		"	50.0		101	83-124		18.1	30	
Dichlorodifluoromethane	63.8		"	50.0		128	28-158		20.8	30	
Ethyl Benzene	54.8		"	50.0		110	84-125		19.8	30	
Hexachlorobutadiene	60.2		"	50.0		120	83-133		23.5	30	
Isopropylbenzene	59.3		"	50.0		119	81-127		18.0	30	
Methyl acetate	40.4		"	50.0		80.7	41-143		17.8	30	
Methyl tert-butyl ether (MTBE)	45.4		"	50.0		90.8	74-131		21.4	30	
Methylcyclohexane	57.8		"	50.0		116	70-130		20.2	30	
Methylene chloride	44.2		"	50.0		88.3	57-141		20.7	30	
n-Butylbenzene	58.0		"	50.0		116	80-130		18.4	30	
n-Propylbenzene	57.6		"	50.0		115	74-136		16.9	30	
o-Xylene	52.8		"	50.0		106	83-123		20.4	30	
p- & m- Xylenes	111		"	100		111	82-128		20.1	30	
p-Isopropyltoluene	62.8		"	50.0		126	85-125	High Bias	19.6	30	
sec-Butylbenzene	64.0		"	50.0		128	83-125	High Bias	18.2	30	
Styrene	55.4		"	50.0		111	86-126		22.5	30	
tert-Butyl alcohol (TBA)	265		"	250		106	70-130		14.6	30	
tert-Butylbenzene	53.0		"	50.0		106	80-127		18.8	30	
Tetrachloroethylene	50.3		"	50.0		101	80-129		23.4	30	
Toluene	52.8		"	50.0		106	85-121		20.4	30	
trans-1,2-Dichloroethylene	49.6		"	50.0		99.1	72-132		20.1	30	
trans-1,3-Dichloropropylene	52.8		"	50.0		106	78-132		20.2	30	
Trichloroethylene	56.8		"	50.0		114	84-123		19.1	30	
Trichlorofluoromethane	57.0		"	50.0		114	62-140		19.6	30	
Vinyl Chloride	62.3		"	50.0		125	52-130		17.7	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	45.3		"	50.0		90.6	77-125				
Surrogate: SURR: Toluene-d8	54.6		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.0	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10455 - EPA 5035A											
Blank (BC10455-BLK1)	Blank										Prepared & Analyzed: 03/08/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0051	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10455 - EPA 5035A

Blank (BC10455-BLK1)	Blank		Prepared & Analyzed: 03/08/2021								
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.8		ug/L	50.0		97.6	77-125				
Surrogate: SURR: Toluene-d8	54.0		"	50.0		108	85-120				
Surrogate: SURR: p-Bromofluorobenzene	52.9		"	50.0		106	76-130				

Blank (BC10455-BLK2)	Blank		Prepared & Analyzed: 03/08/2021								
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	0.75	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10455 - EPA 5035A

Blank (BC10455-BLK2)	Blank	Prepared & Analyzed: 03/08/2021									
Bromomethane	0.27	0.50	mg/kg wet								
Carbon disulfide	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	"								
Cyclohexane	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 acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>49.1</i>		<i>ug/L</i>	<i>50.0</i>		<i>98.2</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>54.2</i>		<i>"</i>	<i>50.0</i>		<i>108</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>55.0</i>		<i>"</i>	<i>50.0</i>		<i>110</i>	<i>76-130</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 BC10455 - EPA 5035A											
Blank (BC10455-BLK3)	HOLDING BLANK- 21C0267								Prepared & Analyzed: 03/08/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0046	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10455 - EPA 5035A

Blank (BC10455-BLK3)		HOLDING BLANK- 21C0267						Prepared & Analyzed: 03/08/2021			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	47.8		ug/L	50.0		95.6	77-125				
Surrogate: SURR: Toluene-d8	53.5		"	50.0		107	85-120				
Surrogate: SURR: p-Bromofluorobenzene	53.2		"	50.0		106	76-130				

Blank (BC10455-BLK4)		HOLDING BLANK- 21C0269						Prepared & Analyzed: 03/08/2021			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0053	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BC10455 - EPA 5035A

Blank (BC10455-BLK4)		HOLDING BLANK- 21C0269						Prepared & Analyzed: 03/08/2021			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	49.0		ug/L	50.0		98.1	77-125				
Surrogate: SURR: Toluene-d8	54.1		"	50.0		108	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.1		"	50.0		108	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10455 - EPA 5035A											
LCS (BC10455-BS1)	LCS	Prepared & Analyzed: 03/08/2021									
1,1,1,2-Tetrachloroethane	53.8		ug/L	50.0		108	75-129				
1,1,1-Trichloroethane	50.6		"	50.0		101	71-137				
1,1,2,2-Tetrachloroethane	56.8		"	50.0		114	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57.4		"	50.0		115	58-146				
1,1,2-Trichloroethane	54.8		"	50.0		110	83-123				
1,1-Dichloroethane	44.9		"	50.0		89.9	75-130				
1,1-Dichloroethylene	47.7		"	50.0		95.4	64-137				
1,2,3-Trichlorobenzene	56.0		"	50.0		112	81-140				
1,2,3-Trichloropropane	55.5		"	50.0		111	81-126				
1,2,4-Trichlorobenzene	59.5		"	50.0		119	80-141				
1,2,4-Trimethylbenzene	58.6		"	50.0		117	84-125				
1,2-Dibromo-3-chloropropane	55.5		"	50.0		111	74-142				
1,2-Dibromoethane	55.8		"	50.0		112	86-123				
1,2-Dichlorobenzene	57.1		"	50.0		114	85-122				
1,2-Dichloroethane	45.1		"	50.0		90.1	71-133				
1,2-Dichloropropane	50.4		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	58.9		"	50.0		118	82-126				
1,3-Dichlorobenzene	55.8		"	50.0		112	84-124				
1,4-Dichlorobenzene	55.8		"	50.0		112	84-124				
1,4-Dioxane	1290		"	1050		123	10-228				
2-Butanone	45.0		"	50.0		90.0	58-147				
2-Hexanone	46.6		"	50.0		93.2	70-139				
4-Methyl-2-pentanone	45.1		"	50.0		90.3	72-132				
Acetone	32.6		"	50.0		65.1	36-155				
Acrolein	58.4		"	50.0		117	10-238				
Acrylonitrile	44.3		"	50.0		88.6	66-141				
Benzene	51.1		"	50.0		102	77-127				
Bromochloromethane	43.7		"	50.0		87.4	74-129				
Bromodichloromethane	53.2		"	50.0		106	81-124				
Bromoform	52.5		"	50.0		105	80-136				
Bromomethane	61.4		"	50.0		123	32-177				
Carbon disulfide	52.4		"	50.0		105	10-136				
Carbon tetrachloride	52.0		"	50.0		104	66-143				
Chlorobenzene	55.1		"	50.0		110	86-120				
Chloroethane	54.0		"	50.0		108	51-142				
Chloroform	48.2		"	50.0		96.4	76-131				
Chloromethane	53.8		"	50.0		108	49-132				
cis-1,2-Dichloroethylene	47.0		"	50.0		94.1	74-132				
cis-1,3-Dichloropropylene	55.5		"	50.0		111	81-129				
Cyclohexane	45.9		"	50.0		91.8	70-130				
Dibromochloromethane	56.8		"	50.0		114	10-200				
Dibromomethane	53.6		"	50.0		107	83-124				
Dichlorodifluoromethane	57.6		"	50.0		115	28-158				
Ethyl Benzene	54.3		"	50.0		109	84-125				
Hexachlorobutadiene	55.0		"	50.0		110	83-133				
Isopropylbenzene	56.7		"	50.0		113	81-127				
Methyl acetate	41.0		"	50.0		82.0	41-143				
Methyl tert-butyl ether (MTBE)	49.1		"	50.0		98.2	74-131				
Methylcyclohexane	55.1		"	50.0		110	70-130				
Methylene chloride	45.3		"	50.0		90.6	57-141				
n-Butylbenzene	56.5		"	50.0		113	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10455 - EPA 5035A											
LCS (BC10455-BS1)	LCS		Prepared & Analyzed: 03/08/2021								
n-Propylbenzene	55.4		ug/L	50.0		111	74-136				
o-Xylene	53.3		"	50.0		107	83-123				
p- & m- Xylenes	111		"	100		111	82-128				
p-Isopropyltoluene	60.0		"	50.0		120	85-125				
sec-Butylbenzene	60.5		"	50.0		121	83-125				
Styrene	56.3		"	50.0		113	86-126				
tert-Butyl alcohol (TBA)	268		"	250		107	70-130				
tert-Butylbenzene	50.4		"	50.0		101	80-127				
Tetrachloroethylene	48.4		"	50.0		96.8	80-129				
Toluene	52.6		"	50.0		105	85-121				
trans-1,2-Dichloroethylene	49.1		"	50.0		98.3	72-132				
trans-1,3-Dichloropropylene	57.2		"	50.0		114	78-132				
Trichloroethylene	56.5		"	50.0		113	84-123				
Trichlorofluoromethane	54.6		"	50.0		109	62-140				
Vinyl Chloride	58.8		"	50.0		118	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	47.0		"	50.0		93.9	77-125				
Surrogate: SURR: Toluene-d8	54.3		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.3	76-130				
LCS Dup (BC10455-BS1)	LCS Dup		Prepared & Analyzed: 03/08/2021								
1,1,1,2-Tetrachloroethane	54.7		ug/L	50.0		109	75-129		1.53	30	
1,1,1-Trichloroethane	50.2		"	50.0		100	71-137		0.912	30	
1,1,2,2-Tetrachloroethane	59.3		"	50.0		119	79-129		4.43	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56.9		"	50.0		114	58-146		0.874	30	
1,1,2-Trichloroethane	56.9		"	50.0		114	83-123		3.72	30	
1,1-Dichloroethane	45.7		"	50.0		91.3	75-130		1.61	30	
1,1-Dichloroethylene	47.8		"	50.0		95.7	64-137		0.293	30	
1,2,3-Trichlorobenzene	56.5		"	50.0		113	81-140		0.818	30	
1,2,3-Trichloropropane	57.6		"	50.0		115	81-126		3.70	30	
1,2,4-Trichlorobenzene	59.0		"	50.0		118	80-141		0.794	30	
1,2,4-Trimethylbenzene	59.8		"	50.0		120	84-125		2.01	30	
1,2-Dibromo-3-chloropropane	59.5		"	50.0		119	74-142		6.95	30	
1,2-Dibromoethane	57.5		"	50.0		115	86-123		3.02	30	
1,2-Dichlorobenzene	57.8		"	50.0		116	85-122		1.29	30	
1,2-Dichloroethane	46.1		"	50.0		92.2	71-133		2.26	30	
1,2-Dichloropropane	52.4		"	50.0		105	81-122		3.93	30	
1,3,5-Trimethylbenzene	59.6		"	50.0		119	82-126		1.22	30	
1,3-Dichlorobenzene	56.2		"	50.0		112	84-124		0.839	30	
1,4-Dichlorobenzene	55.8		"	50.0		112	84-124		0.00	30	
1,4-Dioxane	1340		"	1050		128	10-228		3.72	30	
2-Butanone	47.7		"	50.0		95.3	58-147		5.74	30	
2-Hexanone	50.3		"	50.0		101	70-139		7.66	30	
4-Methyl-2-pentanone	49.7		"	50.0		99.4	72-132		9.60	30	
Acetone	35.4		"	50.0		70.7	36-155		8.21	30	
Acrolein	59.7		"	50.0		119	10-238		2.15	30	
Acrylonitrile	47.0		"	50.0		94.0	66-141		5.89	30	
Benzene	51.1		"	50.0		102	77-127		0.0783	30	
Bromochloromethane	45.3		"	50.0		90.6	74-129		3.57	30	
Bromodichloromethane	54.9		"	50.0		110	81-124		3.20	30	
Bromoform	54.0		"	50.0		108	80-136		2.80	30	
Bromomethane	56.7		"	50.0		113	32-177		7.98	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10455 - EPA 5035A											
LCS Dup (BC10455-BSD1)	LCS Dup		Prepared & Analyzed: 03/08/2021								
Carbon disulfide	52.5		ug/L	50.0		105	10-136		0.0953	30	
Carbon tetrachloride	51.2		"	50.0		102	66-143		1.55	30	
Chlorobenzene	55.0		"	50.0		110	86-120		0.127	30	
Chloroethane	52.3		"	50.0		105	51-142		3.27	30	
Chloroform	47.8		"	50.0		95.5	76-131		0.917	30	
Chloromethane	55.8		"	50.0		112	49-132		3.58	30	
cis-1,2-Dichloroethylene	47.4		"	50.0		94.8	74-132		0.783	30	
cis-1,3-Dichloropropylene	57.2		"	50.0		114	81-129		3.00	30	
Cyclohexane	47.1		"	50.0		94.3	70-130		2.67	30	
Dibromochloromethane	57.6		"	50.0		115	10-200		1.50	30	
Dibromomethane	55.0		"	50.0		110	83-124		2.62	30	
Dichlorodifluoromethane	56.8		"	50.0		114	28-158		1.38	30	
Ethyl Benzene	55.2		"	50.0		110	84-125		1.61	30	
Hexachlorobutadiene	54.5		"	50.0		109	83-133		0.968	30	
Isopropylbenzene	58.0		"	50.0		116	81-127		2.13	30	
Methyl acetate	43.7		"	50.0		87.5	41-143		6.47	30	
Methyl tert-butyl ether (MTBE)	49.5		"	50.0		98.9	74-131		0.791	30	
Methylcyclohexane	56.6		"	50.0		113	70-130		2.70	30	
Methylene chloride	46.4		"	50.0		92.8	57-141		2.42	30	
n-Butylbenzene	57.1		"	50.0		114	80-130		1.00	30	
n-Propylbenzene	57.1		"	50.0		114	74-136		2.99	30	
o-Xylene	54.1		"	50.0		108	83-123		1.51	30	
p- & m- Xylenes	112		"	100		112	82-128		1.30	30	
p-Isopropyltoluene	60.6		"	50.0		121	85-125		1.08	30	
sec-Butylbenzene	61.7		"	50.0		123	83-125		1.98	30	
Styrene	57.3		"	50.0		115	86-126		1.83	30	
tert-Butyl alcohol (TBA)	281		"	250		113	70-130		4.91	30	
tert-Butylbenzene	51.4		"	50.0		103	80-127		1.95	30	
Tetrachloroethylene	47.8		"	50.0		95.6	80-129		1.23	30	
Toluene	53.7		"	50.0		107	85-121		2.16	30	
trans-1,2-Dichloroethylene	49.5		"	50.0		99.0	72-132		0.730	30	
trans-1,3-Dichloropropylene	59.4		"	50.0		119	78-132		3.88	30	
Trichloroethylene	56.8		"	50.0		114	84-123		0.530	30	
Trichlorofluoromethane	54.1		"	50.0		108	62-140		1.03	30	
Vinyl Chloride	59.9		"	50.0		120	52-130		1.85	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	46.8		"	50.0		93.6	77-125				
Surrogate: SURR: Toluene-d8	54.8		"	50.0		110	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.1		"	50.0		100	76-130				



Semivolatile 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 BC10276 - EPA 3546 SVOA

Blank (BC10276-BLK1)	Blank	Prepared: 03/04/2021 Analyzed: 03/05/2021									
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	0.0252	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								



Semivolatile 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 BC10276 - EPA 3546 SVOA

Blank (BC10276-BLK1)	Blank		Prepared: 03/04/2021 Analyzed: 03/05/2021								
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.24		"	1.66		74.9	20-108				
Surrogate: SURR: Phenol-d5	1.22		"	1.66		73.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.699		"	0.831		84.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.676		"	0.831		81.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.44		"	1.66		86.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.845		"	0.831		102	24-116				



Semivolatile 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 BC10276 - EPA 3546 SVOA											
LCS (BC10276-BS1)	LCS	Prepared: 03/04/2021 Analyzed: 03/05/2021									
1,1-Biphenyl	0.508	0.0416	mg/kg wet	0.831		61.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.507	0.0830	"	0.831		61.1	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.573	0.0416	"	0.831		69.0	17-137				
2,3,4,6-Tetrachlorophenol	0.618	0.0830	"	0.831		74.4	30-130				
2,4,5-Trichlorophenol	0.497	0.0416	"	0.831		59.8	27-118				
2,4,6-Trichlorophenol	0.493	0.0416	"	0.831		59.3	31-120				
2,4-Dichlorophenol	0.526	0.0416	"	0.831		63.4	20-127				
2,4-Dimethylphenol	0.508	0.0416	"	0.831		61.1	14-132				
2,4-Dinitrophenol	ND	0.0830	"	0.831			10-171	Low Bias			
2,4-Dinitrotoluene	0.537	0.0416	"	0.831		64.6	34-131				
2,6-Dinitrotoluene	0.538	0.0416	"	0.831		64.7	31-128				
2-Chloronaphthalene	0.478	0.0416	"	0.831		57.5	31-117				
2-Chlorophenol	0.455	0.0416	"	0.831		54.8	33-113				
2-Methylnaphthalene	0.521	0.0416	"	0.831		62.7	12-138				
2-Methylphenol	0.456	0.0416	"	0.831		54.9	10-136				
2-Nitroaniline	0.506	0.0830	"	0.831		60.9	27-132				
2-Nitrophenol	0.486	0.0416	"	0.831		58.6	17-129				
3- & 4-Methylphenols	0.430	0.0416	"	0.831		51.8	29-103				
3,3-Dichlorobenzidine	0.304	0.0416	"	0.831		36.6	22-149				
3-Nitroaniline	0.353	0.0830	"	0.831		42.5	20-133				
4,6-Dinitro-2-methylphenol	0.317	0.0830	"	0.831		38.2	10-143				
4-Bromophenyl phenyl ether	0.586	0.0416	"	0.831		70.6	29-120				
4-Chloro-3-methylphenol	0.529	0.0416	"	0.831		63.6	24-129				
4-Chloroaniline	0.156	0.0416	"	0.831		18.8	10-132				
4-Chlorophenyl phenyl ether	0.494	0.0416	"	0.831		59.4	27-124				
4-Nitroaniline	0.497	0.0830	"	0.831		59.8	16-128				
4-Nitrophenol	0.606	0.0830	"	0.831		72.9	10-141				
Acenaphthene	0.510	0.0416	"	0.831		61.4	30-121				
Acenaphthylene	0.500	0.0416	"	0.831		60.2	30-115				
Acetophenone	0.474	0.0416	"	0.831		57.1	20-112				
Aniline	0.258	0.166	"	0.831		31.1	10-119				
Anthracene	0.529	0.0416	"	0.831		63.7	34-118				
Atrazine	0.632	0.0416	"	0.831		76.0	26-112				
Benzaldehyde	0.474	0.0416	"	0.831		57.1	21-100				
Benzo(a)anthracene	0.562	0.0416	"	0.831		67.6	32-122				
Benzo(a)pyrene	0.516	0.0416	"	0.831		62.1	29-133				
Benzo(b)fluoranthene	0.545	0.0416	"	0.831		65.6	25-133				
Benzo(g,h,i)perylene	0.670	0.0416	"	0.831		80.7	10-143				
Benzo(k)fluoranthene	0.515	0.0416	"	0.831		62.0	25-128				
Benzoic acid	0.152	0.0416	"	0.831		18.4	10-140				
Benzyl alcohol	0.519	0.0416	"	0.831		62.5	30-115				
Benzyl butyl phthalate	0.551	0.0416	"	0.831		66.4	26-126				
Bis(2-chloroethoxy)methane	0.492	0.0416	"	0.831		59.2	19-132				
Bis(2-chloroethyl)ether	0.214	0.0416	"	0.831		25.8	19-125				
Bis(2-chloroisopropyl)ether	0.561	0.0416	"	0.831		67.6	20-135				
Bis(2-ethylhexyl)phthalate	0.567	0.0416	"	0.831		68.2	10-155				
Caprolactam	0.485	0.0830	"	0.831		58.4	10-127				
Carbazole	0.555	0.0416	"	0.831		66.8	35-123				
Chrysene	0.571	0.0416	"	0.831		68.7	32-123				
Dibenzo(a,h)anthracene	0.617	0.0416	"	0.831		74.2	10-136				
Dibenzofuran	0.489	0.0416	"	0.831		58.9	29-121				



Semivolatile 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 BC10276 - EPA 3546 SVOA

LCS (BC10276-BS1)	LCS	Prepared: 03/04/2021 Analyzed: 03/05/2021									
Diethyl phthalate	0.514	0.0416	mg/kg wet	0.831		61.8	34-116				
Dimethyl phthalate	0.480	0.0416	"	0.831		57.8	35-124				
Di-n-butyl phthalate	0.564	0.0416	"	0.831		67.9	31-116				
Di-n-octyl phthalate	0.570	0.0416	"	0.831		68.7	26-136				
Diphenylamine	0.655	0.0830	"	0.831		78.9	40-140				
Fluoranthene	0.561	0.0416	"	0.831		67.6	33-122				
Fluorene	0.494	0.0416	"	0.831		59.4	29-123				
Hexachlorobenzene	0.544	0.0416	"	0.831		65.5	21-124				
Hexachlorobutadiene	0.517	0.0416	"	0.831		62.3	10-149				
Hexachlorocyclopentadiene	0.347	0.0416	"	0.831		41.8	10-129				
Hexachloroethane	0.444	0.0416	"	0.831		53.5	28-108				
Indeno(1,2,3-cd)pyrene	0.637	0.0416	"	0.831		76.6	10-135				
Isophorone	0.516	0.0416	"	0.831		62.1	20-132				
Naphthalene	0.479	0.0416	"	0.831		57.6	23-124				
Nitrobenzene	0.516	0.0416	"	0.831		62.1	13-132				
N-Nitrosodimethylamine	0.466	0.0416	"	0.831		56.2	11-129				
N-nitroso-di-n-propylamine	0.484	0.0416	"	0.831		58.3	24-119				
N-Nitrosodiphenylamine	0.709	0.0416	"	0.831		85.3	22-152				
Pentachlorophenol	0.435	0.0416	"	0.831		52.4	10-139				
Phenanthrene	0.525	0.0416	"	0.831		63.2	33-123				
Phenol	0.466	0.0416	"	0.831		56.2	23-115				
Pyrene	0.543	0.0416	"	0.831		65.4	24-130				
Pyridine	0.281	0.166	"	0.831		33.8	10-91				
Surrogate: SURR: 2-Fluorophenol	1.04		"	1.66		62.8	20-108				
Surrogate: SURR: Phenol-d5	1.04		"	1.66		62.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.607		"	0.831		73.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.573		"	0.831		69.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.60		"	1.66		96.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.724		"	0.831		87.2	24-116				



Semivolatile 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 BC10276 - EPA 3546 SVOA											
Matrix Spike (BC10276-MS1)	Matrix Spike	*Source sample: 21C0162-35 (Matrix Spike)						Prepared: 03/04/2021 Analyzed: 03/05/2021			
1,1-Biphenyl	0.610	0.0920	mg/kg dry	0.919	ND	66.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.642	0.184	"	0.919	ND	69.9	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.665	0.0920	"	0.919	ND	72.4	10-144				
2,3,4,6-Tetrachlorophenol	0.825	0.184	"	0.919	ND	89.8	30-130				
2,4,5-Trichlorophenol	0.631	0.0920	"	0.919	ND	68.6	10-127				
2,4,6-Trichlorophenol	0.634	0.0920	"	0.919	ND	69.0	10-132				
2,4-Dichlorophenol	0.678	0.0920	"	0.919	ND	73.8	10-128				
2,4-Dimethylphenol	0.543	0.0920	"	0.919	ND	59.1	10-137				
2,4-Dinitrophenol	ND	0.184	"	0.919	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.447	0.0920	"	0.919	ND	48.6	16-135				
2,6-Dinitrotoluene	0.495	0.0920	"	0.919	ND	53.8	18-131				
2-Chloronaphthalene	0.604	0.0920	"	0.919	ND	65.8	10-129				
2-Chlorophenol	0.574	0.0920	"	0.919	ND	62.5	15-116				
2-Methylnaphthalene	0.702	0.0920	"	0.919	ND	76.4	10-147				
2-Methylphenol	0.540	0.0920	"	0.919	ND	58.8	10-136				
2-Nitroaniline	0.670	0.184	"	0.919	ND	72.9	10-137				
2-Nitrophenol	0.230	0.0920	"	0.919	ND	25.0	10-129				
3- & 4-Methylphenols	0.507	0.0920	"	0.919	ND	55.2	10-123				
3,3-Dichlorobenzidine	0.548	0.0920	"	0.919	ND	59.6	10-155				
3-Nitroaniline	0.692	0.184	"	0.919	ND	75.3	12-133				
4,6-Dinitro-2-methylphenol	ND	0.184	"	0.919	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.704	0.0920	"	0.919	ND	76.6	14-128				
4-Chloro-3-methylphenol	0.679	0.0920	"	0.919	ND	73.9	10-134				
4-Chloroaniline	0.470	0.0920	"	0.919	ND	51.1	10-145				
4-Chlorophenyl phenyl ether	0.601	0.0920	"	0.919	ND	65.4	14-130				
4-Nitroaniline	0.775	0.184	"	0.919	ND	84.4	10-147				
4-Nitrophenol	0.748	0.184	"	0.919	ND	81.4	10-137				
Acenaphthene	0.640	0.0920	"	0.919	ND	69.7	10-146				
Acenaphthylene	0.634	0.0920	"	0.919	ND	69.0	10-134				
Acetophenone	0.572	0.0920	"	0.919	ND	62.2	10-116				
Aniline	0.368	0.368	"	0.919	ND	40.0	10-123				
Anthracene	0.652	0.0920	"	0.919	ND	71.0	10-142				
Atrazine	0.683	0.0920	"	0.919	ND	74.3	19-115				
Benzaldehyde	0.572	0.0920	"	0.919	ND	62.2	10-125				
Benzo(a)anthracene	0.765	0.0920	"	0.919	0.0703	75.6	10-158				
Benzo(a)pyrene	0.632	0.0920	"	0.919	0.0608	62.2	10-180				
Benzo(b)fluoranthene	0.701	0.0920	"	0.919	0.0498	70.9	10-200				
Benzo(g,h,i)perylene	0.721	0.0920	"	0.919	ND	78.5	10-138				
Benzo(k)fluoranthene	0.621	0.0920	"	0.919	0.0498	62.2	10-197				
Benzoic acid	0.647	0.0920	"	0.919	ND	70.4	10-166				
Benzyl alcohol	0.701	0.0920	"	0.919	ND	76.3	12-124				
Benzyl butyl phthalate	0.723	0.0920	"	0.919	ND	78.7	10-154				
Bis(2-chloroethoxy)methane	0.634	0.0920	"	0.919	ND	69.0	10-132				
Bis(2-chloroethyl)ether	0.521	0.0920	"	0.919	ND	56.7	10-119				
Bis(2-chloroisopropyl)ether	0.734	0.0920	"	0.919	ND	79.8	10-139				
Bis(2-ethylhexyl)phthalate	0.728	0.0920	"	0.919	ND	79.2	10-167				
Caprolactam	0.564	0.184	"	0.919	ND	61.4	10-132				
Carbazole	0.669	0.0920	"	0.919	ND	72.8	10-167				
Chrysene	0.729	0.0920	"	0.919	0.0608	72.7	10-156				
Dibenzo(a,h)anthracene	0.664	0.0920	"	0.919	ND	72.2	10-137				
Dibenzofuran	0.610	0.0920	"	0.919	ND	66.4	10-147				



Semivolatile 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 BC10276 - EPA 3546 SVOA

Matrix Spike (BC10276-MS1)	Matrix Spike	*Source sample: 21C0162-35 (Matrix Spike)						Prepared: 03/04/2021 Analyzed: 03/05/2021			
Diethyl phthalate	0.598	0.0920	mg/kg dry	0.919	ND	65.1	20-120				
Dimethyl phthalate	0.555	0.0920	"	0.919	ND	60.4	18-131				
Di-n-butyl phthalate	0.665	0.0920	"	0.919	ND	72.4	10-137				
Di-n-octyl phthalate	0.719	0.0920	"	0.919	ND	78.2	10-180				
Diphenylamine	0.742	0.184	"	0.919	ND	80.8	40-140				
Fluoranthene	0.787	0.0920	"	0.919	0.124	72.2	10-160				
Fluorene	0.609	0.0920	"	0.919	ND	66.2	10-157				
Hexachlorobenzene	0.684	0.0920	"	0.919	ND	74.4	10-137				
Hexachlorobutadiene	0.676	0.0920	"	0.919	ND	73.5	10-132				
Hexachlorocyclopentadiene	ND	0.0920	"	0.919	ND		10-106	Low Bias			
Hexachloroethane	0.298	0.0920	"	0.919	ND	32.4	10-110				
Indeno(1,2,3-cd)pyrene	0.698	0.0920	"	0.919	ND	76.0	10-144				
Isophorone	0.666	0.0920	"	0.919	ND	72.5	10-132				
Naphthalene	0.624	0.0920	"	0.919	ND	67.9	10-141				
Nitrobenzene	0.640	0.0920	"	0.919	ND	69.6	10-131				
N-Nitrosodimethylamine	0.526	0.0920	"	0.919	ND	57.3	10-126				
N-nitroso-di-n-propylamine	0.600	0.0920	"	0.919	ND	65.3	10-125				
N-Nitrosodiphenylamine	0.800	0.0920	"	0.919	ND	87.1	10-177				
Pentachlorophenol	0.584	0.0920	"	0.919	ND	63.6	10-153				
Phenanthrene	0.676	0.0920	"	0.919	0.0579	67.2	10-148				
Phenol	0.596	0.0920	"	0.919	ND	64.9	10-126				
Pyrene	0.799	0.0920	"	0.919	0.112	74.8	10-165				
Pyridine	0.334	0.368	"	0.919	ND	36.3	10-83				
Surrogate: SURR: 2-Fluorophenol	1.26		"	1.84		68.8	20-108				
Surrogate: SURR: Phenol-d5	1.27		"	1.84		68.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.756		"	0.919		82.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.701		"	0.919		76.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.00		"	1.84		109	19-110				
Surrogate: SURR: Terphenyl-d14	0.931		"	0.919		101	24-116				



Semivolatile 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 BC10276 - EPA 3546 SVOA											
Matrix Spike Dup (BC10276-1) Matrix Spike Dup						Source sample: 21C0162-35 (Matrix Spike Dup) Prepared: 03/04/2021 Analyzed: 03/05/2021					
1,1-Biphenyl	0.589	0.0920	mg/kg dry	0.919	ND	64.1	10-130		3.56	30	
1,2,4,5-Tetrachlorobenzene	0.600	0.184	"	0.919	ND	65.3	10-133		6.86	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.628	0.0920	"	0.919	ND	68.4	10-144		5.68	30	
2,3,4,6-Tetrachlorophenol	0.780	0.184	"	0.919	ND	84.9	30-130		5.59	30	
2,4,5-Trichlorophenol	0.615	0.0920	"	0.919	ND	67.0	10-127		2.48	30	
2,4,6-Trichlorophenol	0.618	0.0920	"	0.919	ND	67.3	10-132		2.58	30	
2,4-Dichlorophenol	0.637	0.0920	"	0.919	ND	69.3	10-128		6.26	30	
2,4-Dimethylphenol	0.487	0.0920	"	0.919	ND	53.0	10-137		10.8	30	
2,4-Dinitrophenol	ND	0.184	"	0.919	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.448	0.0920	"	0.919	ND	48.8	16-135		0.328	30	
2,6-Dinitrotoluene	0.493	0.0920	"	0.919	ND	53.7	18-131		0.298	30	
2-Chloronaphthalene	0.583	0.0920	"	0.919	ND	63.4	10-129		3.59	30	
2-Chlorophenol	0.556	0.0920	"	0.919	ND	60.5	15-116		3.25	30	
2-Methylnaphthalene	0.662	0.0920	"	0.919	ND	72.1	10-147		5.82	30	
2-Methylphenol	0.515	0.0920	"	0.919	ND	56.0	10-136		4.88	30	
2-Nitroaniline	0.668	0.184	"	0.919	ND	72.7	10-137		0.220	30	
2-Nitrophenol	0.230	0.0920	"	0.919	ND	25.0	10-129		0.00	30	
3- & 4-Methylphenols	0.501	0.0920	"	0.919	ND	54.6	10-123		1.17	30	
3,3-Dichlorobenzidine	0.542	0.0920	"	0.919	ND	59.0	10-155		1.08	30	
3-Nitroaniline	0.648	0.184	"	0.919	ND	70.5	12-133		6.59	30	
4,6-Dinitro-2-methylphenol	ND	0.184	"	0.919	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.644	0.0920	"	0.919	ND	70.1	14-128		8.94	30	
4-Chloro-3-methylphenol	0.649	0.0920	"	0.919	ND	70.6	10-134		4.54	30	
4-Chloroaniline	0.403	0.0920	"	0.919	ND	43.8	10-145		15.3	30	
4-Chlorophenyl phenyl ether	0.569	0.0920	"	0.919	ND	61.9	14-130		5.53	30	
4-Nitroaniline	0.717	0.184	"	0.919	ND	78.0	10-147		7.88	30	
4-Nitrophenol	0.734	0.184	"	0.919	ND	79.8	10-137		1.98	30	
Acenaphthene	0.598	0.0920	"	0.919	ND	65.1	10-146		6.77	30	
Acenaphthylene	0.592	0.0920	"	0.919	ND	64.4	10-134		6.84	30	
Acetophenone	0.576	0.0920	"	0.919	ND	62.7	10-116		0.768	30	
Aniline	0.351	0.368	"	0.919	ND	38.2	10-123		4.50	30	
Anthracene	0.608	0.0920	"	0.919	ND	66.2	10-142		7.00	30	
Atrazine	0.683	0.0920	"	0.919	ND	74.3	19-115		0.00	30	
Benzaldehyde	0.576	0.0920	"	0.919	ND	62.7	10-125		0.768	30	
Benzo(a)anthracene	0.681	0.0920	"	0.919	0.0703	66.4	10-158		11.7	30	
Benzo(a)pyrene	0.550	0.0920	"	0.919	0.0608	53.2	10-180		13.9	30	
Benzo(b)fluoranthene	0.595	0.0920	"	0.919	0.0498	59.4	10-200		16.3	30	
Benzo(g,h,i)perylene	0.629	0.0920	"	0.919	ND	68.5	10-138		13.6	30	
Benzo(k)fluoranthene	0.558	0.0920	"	0.919	0.0498	55.3	10-197		10.7	30	
Benzoic acid	0.692	0.0920	"	0.919	ND	75.3	10-166		6.70	30	
Benzyl alcohol	0.669	0.0920	"	0.919	ND	72.8	12-124		4.72	30	
Benzyl butyl phthalate	0.688	0.0920	"	0.919	ND	74.9	10-154		5.00	30	
Bis(2-chloroethoxy)methane	0.586	0.0920	"	0.919	ND	63.8	10-132		7.95	30	
Bis(2-chloroethyl)ether	0.473	0.0920	"	0.919	ND	51.5	10-119		9.61	30	
Bis(2-chloroisopropyl)ether	0.678	0.0920	"	0.919	ND	73.8	10-139		7.92	30	
Bis(2-ethylhexyl)phthalate	0.723	0.0920	"	0.919	ND	78.6	10-167		0.710	30	
Caprolactam	0.606	0.184	"	0.919	ND	66.0	10-132		7.29	30	
Carbazole	0.620	0.0920	"	0.919	ND	67.4	10-167		7.64	30	
Chrysene	0.665	0.0920	"	0.919	0.0608	65.7	10-156		9.28	30	
Dibenzo(a,h)anthracene	0.606	0.0920	"	0.919	ND	65.9	10-137		9.15	30	
Dibenzofuran	0.581	0.0920	"	0.919	ND	63.2	10-147		4.94	30	



Semivolatile 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 BC10276 - EPA 3546 SVOA

Matrix Spike Dup (BC10276-1)				Source sample: 21C0162-35 (Matrix Spike Dup)				Prepared: 03/04/2021 Analyzed: 03/05/2021			
Diethyl phthalate	0.577	0.0920	mg/kg dry	0.919	ND	62.8	20-120		3.63	30	
Dimethyl phthalate	0.521	0.0920	"	0.919	ND	56.7	18-131		6.28	30	
Di-n-butyl phthalate	0.639	0.0920	"	0.919	ND	69.5	10-137		4.06	30	
Di-n-octyl phthalate	0.706	0.0920	"	0.919	ND	76.9	10-180		1.75	30	
Diphenylamine	0.705	0.184	"	0.919	ND	76.7	40-140		5.18	30	
Fluoranthene	0.683	0.0920	"	0.919	0.124	60.8	10-160		14.2	30	
Fluorene	0.591	0.0920	"	0.919	ND	64.3	10-157		2.94	30	
Hexachlorobenzene	0.595	0.0920	"	0.919	ND	64.7	10-137		13.9	30	
Hexachlorobutadiene	0.628	0.0920	"	0.919	ND	68.4	10-132		7.22	30	
Hexachlorocyclopentadiene	ND	0.0920	"	0.919	ND		10-106	Low Bias		30	
Hexachloroethane	0.309	0.0920	"	0.919	ND	33.6	10-110		3.64	30	
Indeno(1,2,3-cd)pyrene	0.635	0.0920	"	0.919	ND	69.1	10-144		9.48	30	
Isophorone	0.642	0.0920	"	0.919	ND	69.9	10-132		3.60	30	
Naphthalene	0.573	0.0920	"	0.919	ND	62.3	10-141		8.60	30	
Nitrobenzene	0.576	0.0920	"	0.919	ND	62.7	10-131		10.4	30	
N-Nitrosodimethylamine	0.501	0.0920	"	0.919	ND	54.5	10-126		5.01	30	
N-nitroso-di-n-propylamine	0.609	0.0920	"	0.919	ND	66.2	10-125		1.46	30	
N-Nitrosodiphenylamine	0.750	0.0920	"	0.919	ND	81.6	10-177		6.54	30	
Pentachlorophenol	0.632	0.0920	"	0.919	ND	68.8	10-153		7.86	30	
Phenanthrene	0.615	0.0920	"	0.919	0.0579	60.6	10-148		9.46	30	
Phenol	0.582	0.0920	"	0.919	ND	63.4	10-126		2.37	30	
Pyrene	0.723	0.0920	"	0.919	0.112	66.4	10-165		10.0	30	
Pyridine	0.305	0.368	"	0.919	ND	33.2	10-83		8.98	30	
Surrogate: SURR: 2-Fluorophenol	1.22		"	1.84		66.3	20-108				
Surrogate: SURR: Phenol-d5	1.26		"	1.84		68.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.716		"	0.919		77.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.668		"	0.919		72.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.86		"	1.84		101	19-110				
Surrogate: SURR: Terphenyl-d14	0.908		"	0.919		98.8	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC10316 - EPA 3550C											
Blank (BC10316-BLK1)	Blank		Prepared & Analyzed: 03/05/2021								
1,4-Dioxane	ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8	248		"	495		50.0	39-127.5				
LCS (BC10316-BS1)	LCS		Prepared & Analyzed: 03/05/2021								
1,4-Dioxane	478	9.90	ug/kg	495		96.6	40-130				
Surrogate: 1,4-Dioxane-d8	287		"	495		58.0	39-127.5				
Matrix Spike (BC10316-MS1)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike)		Prepared & Analyzed: 03/05/2021							
1,4-Dioxane	474	9.90	ug/kg	495	ND	95.8	40-130				
Surrogate: 1,4-Dioxane-d8	238		"	495		48.0	40-130				
Matrix Spike Dup (BC10316-MS1)	Matrix Spike Dup	*Source sample: 21C0044-01 (Matrix Spike Dup)		Prepared & Analyzed: 03/05/2021							
1,4-Dioxane	495	9.90	ug/kg	495	ND	100	40-130		4.29	30	
Surrogate: 1,4-Dioxane-d8	267		"	495		54.0	40-130				



PFAS Target compounds by LC/MS-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 BC10282 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC10282-BLK1)		Blank		Prepared: 03/04/2021 Analyzed: 03/10/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	0.467	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.467	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.467	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.467	"								
Perfluorooctanoic acid (PFOA)	ND	0.467	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.467	"								
Perfluorononanoic acid (PFNA)	ND	0.467	"								
Perfluorodecanoic acid (PFDA)	ND	0.467	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.467	"								
Perfluorododecanoic acid (PFDoA)	ND	0.467	"								
Perfluorotridecanoic acid (PFTDA)	ND	0.467	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.467	"								
N-MeFOSAA	ND	0.467	"								
N-EtFOSAA	ND	0.467	"								
Perfluoropentanoic acid (PFPeA)	ND	0.467	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.467	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.467	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.467	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.467	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.467	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.467	"								
Surrogate: M5PFHxA	3.70		"	4.67		79.3	25-150				
Surrogate: M3PFHxS	4.90		"	4.42		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.15		"	4.67		88.8	25-150				
Surrogate: M6PFDA	3.43		"	4.67		73.4	25-150				
Surrogate: M7PFUdA	3.19		"	4.67		68.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.80		"	4.67		81.5	25-150				
Surrogate: M2PFTeDA	3.45		"	4.67		74.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.28		"	4.67		70.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.34		"	4.47		74.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.28		"	4.67		70.2	10-150				
Surrogate: d3-N-MeFOSAA	6.14		"	4.67		131	25-150				
Surrogate: d5-N-EtFOSAA	3.32		"	4.67		71.1	25-150				
Surrogate: M2-6:2 FTS	3.89		"	4.43		87.8	25-150				
Surrogate: M2-8:2 FTS	4.15		"	4.47		92.7	25-150				
Surrogate: M9PFNA	6.11		"	4.67		131	25-150				



PFAS Target compounds by LC/MS-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 BC10282 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BC10282-BS1)	LCS	Prepared: 03/04/2021 Analyzed: 03/10/2021									
Perfluorohexanoic acid (PFHxA)	5.26	0.492	ug/kg wet	4.92		107	50-130				
Perfluorohexanesulfonic acid (PFHxS)	2.94	0.492	"	4.49		65.4	50-130				
Perfluorooctanoic acid (PFOA)	4.91	0.492	"	4.92		99.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.97	0.492	"	4.56		87.2	50-130				
Perfluorononanoic acid (PFNA)	3.41	0.492	"	4.92		69.3	50-130				
Perfluorodecanoic acid (PFDA)	5.77	0.492	"	4.92		117	50-130				
Perfluoroundecanoic acid (PFUnA)	5.82	0.492	"	4.92		118	50-130				
Perfluorododecanoic acid (PFDoA)	4.96	0.492	"	4.92		101	50-130				
Perfluorotridecanoic acid (PFTriDA)	4.85	0.492	"	4.92		98.4	50-130				
Perfluorotetradecanoic acid (PFTA)	5.90	0.492	"	4.92		120	50-130				
N-MeFOSAA	2.80	0.492	"	4.92		56.8	50-130				
N-EtFOSAA	5.37	0.492	"	4.92		109	50-130				
Perfluoropentanoic acid (PFPeA)	2.80	0.492	"	4.92		56.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.36	0.492	"	4.92		109	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.95	0.492	"	4.68		127	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.94	0.492	"	4.75		104	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.26	0.492	"	4.68		112	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.29	0.492	"	4.73		90.7	50-130				
Perfluoro-n-butanoic acid (PFBA)	6.14	0.492	"	4.92		125	50-130				
Surrogate: M5PFHxA	4.16		"	4.92		84.4	25-150				
Surrogate: M3PFHxS	5.50		"	4.66		118	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.55		"	4.92		92.5	25-150				
Surrogate: M6PFDA	3.50		"	4.92		71.2	25-150				
Surrogate: M7PFUdA	3.20		"	4.92		64.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.92		"	4.92		79.6	25-150				
Surrogate: M2PFTeDA	3.37		"	4.92		68.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.92		"	4.92		79.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.62		"	4.71		76.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.16		"	4.92		64.2	10-150				
Surrogate: d3-N-MeFOSAA	6.39		"	4.92		130	25-150				
Surrogate: d5-N-EtFOSAA	3.21		"	4.92		65.2	25-150				
Surrogate: M2-6:2 FTS	4.46		"	4.67		95.4	25-150				
Surrogate: M2-8:2 FTS	4.42		"	4.72		93.7	25-150				
Surrogate: M9PFNA	6.28		"	4.92		128	25-150				



PFAS Target compounds by LC/MS-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 BC10282 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC10282-MS1)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike)						Prepared: 03/04/2021 Analyzed: 03/10/2021			
Perfluorobutanesulfonic acid (PFBS)	2.16	0.558	ug/kg dry	4.93	ND	43.8	25-150				
Perfluorohexanoic acid (PFHxA)	5.86	0.558	"	5.58	ND	105	25-150				
Perfluoroheptanoic acid (PFHpA)	2.53	0.558	"	5.58	ND	45.4	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.20	0.558	"	5.09	ND	63.0	25-150				
Perfluorooctanoic acid (PFOA)	5.47	0.558	"	5.58	ND	98.1	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.51	0.558	"	5.16	ND	87.4	25-150				
Perfluorononanoic acid (PFNA)	3.57	0.558	"	5.58	ND	64.1	25-150				
Perfluorodecanoic acid (PFDA)	6.52	0.558	"	5.58	ND	117	25-150				
Perfluoroundecanoic acid (PFUnA)	5.84	0.558	"	5.58	ND	105	25-150				
Perfluorododecanoic acid (PFDoA)	5.35	0.558	"	5.58	ND	95.9	25-150				
Perfluorotridecanoic acid (PFTDA)	6.33	0.558	"	5.58	ND	114	25-150				
Perfluorotetradecanoic acid (PFTA)	6.22	0.558	"	5.58	ND	112	25-150				
N-MeFOSAA	2.83	0.558	"	5.58	ND	50.8	25-150				
N-EtFOSAA	5.99	0.558	"	5.58	ND	107	25-150				
Perfluoropentanoic acid (PFPeA)	2.96	0.558	"	5.58	ND	53.2	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.25	0.558	"	5.58	ND	94.1	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.97	0.558	"	5.30	ND	113	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.77	0.558	"	5.38	ND	107	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.87	0.558	"	5.30	ND	111	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.87	0.558	"	5.35	ND	91.0	25-150				
Perfluoro-n-butanoic acid (PFBA)	6.62	0.558	"	5.58	ND	119	25-150				
<i>Surrogate: M5PFHxA</i>	5.03		"	5.58		90.3	25-150				
<i>Surrogate: M3PFHxS</i>	6.04		"	5.27		114	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	4.97		"	5.58		89.2	25-150				
<i>Surrogate: M6PFDA</i>	3.70		"	5.58		66.4	25-150				
<i>Surrogate: M7PFUdA</i>	3.89		"	5.58		69.7	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	4.68		"	5.58		83.9	25-150				
<i>Surrogate: M2PFTeDA</i>	3.93		"	5.58		70.5	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	4.62		"	5.58		82.8	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	3.97		"	5.34		74.3	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	3.56		"	5.58		63.9	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	7.58		"	5.58		136	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	3.59		"	5.58		64.4	25-150				
<i>Surrogate: M2-6:2 FTS</i>	4.96		"	5.29		93.8	25-150				
<i>Surrogate: M2-8:2 FTS</i>	4.43		"	5.34		83.0	25-150				
<i>Surrogate: M9PFNA</i>	6.72		"	5.58		121	25-150				



PFAS Target compounds by LC/MS-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 BC10282 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC10282-1) Matrix Spike Dup					Source sample: 21C0044-01 (Matrix Spike Dup) Prepared: 03/04/2021 Analyzed: 03/10/2021						
Perfluorobutanesulfonic acid (PFBS)	2.30	0.575	ug/kg dry	5.08	ND	45.3	25-150		6.21	35	
Perfluorohexanoic acid (PFHxA)	6.08	0.575	"	5.75	ND	106	25-150		3.70	35	
Perfluoroheptanoic acid (PFHpA)	2.73	0.575	"	5.75	ND	47.6	25-150		7.64	35	
Perfluorohexanesulfonic acid (PFHxS)	3.27	0.575	"	5.24	ND	62.4	25-150		2.03	35	
Perfluorooctanoic acid (PFOA)	5.80	0.575	"	5.75	ND	101	25-150		5.93	35	
Perfluorooctanesulfonic acid (PFOS)	5.08	0.575	"	5.32	ND	95.5	25-150		11.8	35	
Perfluorononanoic acid (PFNA)	3.92	0.575	"	5.75	ND	68.2	25-150		9.23	35	
Perfluorodecanoic acid (PFDA)	6.70	0.575	"	5.75	ND	117	25-150		2.59	35	
Perfluoroundecanoic acid (PFUnA)	6.18	0.575	"	5.75	ND	108	25-150		5.56	35	
Perfluorododecanoic acid (PFDoA)	5.45	0.575	"	5.75	ND	94.9	25-150		1.97	35	
Perfluorotridecanoic acid (PFTDA)	5.58	0.575	"	5.75	ND	97.1	25-150		12.6	35	
Perfluorotetradecanoic acid (PFTA)	6.64	0.575	"	5.75	ND	116	25-150		6.46	35	
N-MeFOSAA	3.39	0.575	"	5.75	ND	59.0	25-150		17.9	35	
N-EtFOSAA	6.55	0.575	"	5.75	ND	114	25-150		8.92	35	
Perfluoropentanoic acid (PFPeA)	3.15	0.575	"	5.75	ND	54.9	25-150		6.20	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.70	0.575	"	5.75	ND	99.1	25-150		8.20	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.77	0.575	"	5.46	ND	124	25-150		12.5	35	
Perfluoro-1-decanesulfonic acid (PFDS)	6.06	0.575	"	5.54	ND	109	25-150		4.88	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.86	0.575	"	5.46	ND	107	25-150		0.180	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.74	0.575	"	5.52	ND	86.0	25-150		2.74	35	
Perfluoro-n-butanoic acid (PFBA)	7.10	0.575	"	5.75	ND	124	25-150		7.03	35	
Surrogate: M5PFHxA	5.53		"	5.75		96.2	25-150				
Surrogate: M3PFHxS	6.83		"	5.44		126	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.20		"	5.75		90.6	25-150				
Surrogate: M6PFDA	3.79		"	5.75		65.9	25-150				
Surrogate: M7PFUdA	3.66		"	5.75		63.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	4.28		"	5.75		74.5	25-150				
Surrogate: M2PFTeDA	3.84		"	5.75		66.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.24		"	5.75		91.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.00		"	5.50		72.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.59		"	5.75		62.5	10-150				
Surrogate: d3-N-MeFOSAA	6.85		"	5.75		119	25-150				
Surrogate: d5-N-EtFOSAA	3.34		"	5.75		58.1	25-150				
Surrogate: M2-6:2 FTS	5.58		"	5.45		102	25-150				
Surrogate: M2-8:2 FTS	4.80		"	5.50		87.3	25-150				
Surrogate: M9PFNA	7.15		"	5.75		124	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Blank (BC10474-BLK1) Blank		Prepared: 03/08/2021 Analyzed: 03/10/2021									
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	91.3		"	74.3		123	25-150				
Surrogate: M5PFHxA	93.3		"	80.0		117	25-150				
Surrogate: M4PFHpA	84.0		"	80.0		105	25-150				
Surrogate: M3PFHxS	84.6		"	75.7		112	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.0		"	80.0		104	25-150				
Surrogate: M6PFDA	75.3		"	80.0		94.1	25-150				
Surrogate: M7PFUdA	64.2		"	80.0		80.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	45.0		"	80.0		56.3	25-150				
Surrogate: M2PFTeDA	11.8		"	80.0		14.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	95.6		"	80.0		120	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.8		"	76.6		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	98.7		"	80.0		123	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	33.5		"	80.0		41.9	10-150				
Surrogate: d3-N-MeFOSAA	49.2		"	80.0		61.5	25-150				
Surrogate: d5-N-EtFOSAA	46.8		"	80.0		58.5	25-150				
Surrogate: M2-6:2 FTS	77.6		"	75.9		102	25-150				
Surrogate: M2-8:2 FTS	69.0		"	76.6		90.1	25-150				
Surrogate: M9PFNA	79.7		"	80.0		99.7	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

LCS (BC10474-BS1)	LCS	Prepared: 03/08/2021 Analyzed: 03/10/2021									
Perfluorobutanesulfonic acid (PFBS)	68.8	2.00	ng/L	70.8		97.2	50-130				
Perfluorohexanoic acid (PFHxA)	78.9	2.00	"	80.0		98.6	50-130				
Perfluoroheptanoic acid (PFHpA)	79.0	2.00	"	80.0		98.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.5	2.00	"	73.0		81.5	50-130				
Perfluorooctanoic acid (PFOA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	54.5	2.00	"	74.1		73.5	50-130				
Perfluorononanoic acid (PFNA)	79.0	2.00	"	80.0		98.7	50-130				
Perfluorodecanoic acid (PFDA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	79.8	2.00	"	80.0		99.7	50-130				
Perfluorododecanoic acid (PFDoA)	80.0	2.00	"	80.0		100	50-130				
Perfluorotridecanoic acid (PFTriDA)	66.0	2.00	"	80.0		82.5	50-130				
Perfluorotetradecanoic acid (PFTA)	79.5	2.00	"	80.0		99.4	50-130				
N-MeFOSAA	78.6	2.00	"	80.0		98.3	50-130				
N-EtFOSAA	84.5	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	75.0	2.00	"	80.0		93.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.4	2.00	"	76.0		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	70.5	2.00	"	77.2		91.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	74.0	5.00	"	76.0		97.3	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	73.5	2.00	"	76.8		95.7	50-130				
Perfluoro-n-butanoic acid (PFBA)	79.3	2.00	"	80.0		99.1	50-130				
Surrogate: M3PFBS	88.9		"	74.3		120	25-150				
Surrogate: M5PFHxA	89.5		"	80.0		112	25-150				
Surrogate: M4PFHpA	81.3		"	80.0		102	25-150				
Surrogate: M3PFHxS	84.3		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.1		"	80.0		100	25-150				
Surrogate: M6PFDA	74.6		"	80.0		93.2	25-150				
Surrogate: M7PFUdA	70.3		"	80.0		87.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	63.5		"	80.0		79.4	25-150				
Surrogate: M2PFTeDA	44.4		"	80.0		55.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.1		"	80.0		115	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.2		"	76.6		106	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	92.7		"	80.0		116	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	35.8		"	80.0		44.8	10-150				
Surrogate: d3-N-MeFOSAA	62.0		"	80.0		77.4	25-150				
Surrogate: d5-N-EtFOSAA	57.0		"	80.0		71.3	25-150				
Surrogate: M2-6:2 FTS	84.5		"	75.9		111	25-150				
Surrogate: M2-8:2 FTS	73.3		"	76.6		95.7	25-150				
Surrogate: M9PFNA	74.4		"	80.0		93.1	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BC10474-BSD1)	LCS Dup		Prepared: 03/08/2021 Analyzed: 03/10/2021								
Perfluorobutanesulfonic acid (PFBS)	70.3	2.00	ng/L	70.8		99.2	50-130		2.08	30	
Perfluorohexanoic acid (PFHxA)	77.5	2.00	"	80.0		96.9	50-130		1.77	30	
Perfluoroheptanoic acid (PFHpA)	77.9	2.00	"	80.0		97.3	50-130		1.50	30	
Perfluorohexanesulfonic acid (PFHxS)	59.9	2.00	"	73.0		82.1	50-130		0.698	30	
Perfluorooctanoic acid (PFOA)	78.6	2.00	"	80.0		98.3	50-130		0.198	30	
Perfluorooctanesulfonic acid (PFOS)	58.0	2.00	"	74.1		78.3	50-130		6.27	30	
Perfluorononanoic acid (PFNA)	79.2	2.00	"	80.0		99.0	50-130		0.304	30	
Perfluorodecanoic acid (PFDA)	77.9	2.00	"	80.0		97.4	50-130		3.04	30	
Perfluoroundecanoic acid (PFUnA)	77.6	2.00	"	80.0		96.9	50-130		2.81	30	
Perfluorododecanoic acid (PFDoA)	77.5	2.00	"	80.0		96.9	50-130		3.11	30	
Perfluorotridecanoic acid (PFTriDA)	58.0	2.00	"	80.0		72.5	50-130		13.0	30	
Perfluorotetradecanoic acid (PFTA)	80.0	2.00	"	80.0		100	50-130		0.639	30	
N-MeFOSAA	81.1	2.00	"	80.0		101	50-130		3.10	30	
N-EtFOSAA	84.3	2.00	"	80.0		105	50-130		0.287	30	
Perfluoropentanoic acid (PFPeA)	80.4	2.00	"	80.0		101	50-130		2.12	30	
Perfluoro-1-octanesulfonamide (FOSA)	77.2	2.00	"	80.0		96.5	50-130		2.95	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.8	2.00	"	76.0		110	50-130		5.37	30	
Perfluoro-1-decanesulfonic acid (PFDS)	66.3	2.00	"	77.2		85.9	50-130		6.13	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	79.1	5.00	"	76.0		104	50-130		6.74	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	74.4	2.00	"	76.8		96.9	50-130		1.26	30	
Perfluoro-n-butanoic acid (PFBA)	80.6	2.00	"	80.0		101	50-130		1.67	30	
Surrogate: M3PFBS	87.0		"	74.3		117	25-150				
Surrogate: M5PFHxA	91.0		"	80.0		114	25-150				
Surrogate: M4PFHpA	83.8		"	80.0		105	25-150				
Surrogate: M3PFHxS	84.3		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.6		"	80.0		105	25-150				
Surrogate: M6PFDA	72.6		"	80.0		90.8	25-150				
Surrogate: M7PFUdA	67.5		"	80.0		84.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	56.6		"	80.0		70.8	25-150				
Surrogate: M2PFTeDA	27.2		"	80.0		34.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.5		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.6		"	76.6		101	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	91.5		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	40.3		"	80.0		50.4	10-150				
Surrogate: d3-N-MeFOSAA	56.5		"	80.0		70.6	25-150				
Surrogate: d5-N-EtFOSAA	50.9		"	80.0		63.6	25-150				
Surrogate: M2-6:2 FTS	80.8		"	75.9		106	25-150				
Surrogate: M2-8:2 FTS	71.2		"	76.6		92.9	25-150				
Surrogate: M9PFNA	73.4		"	80.0		91.7	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BC10474-MS1)	Matrix Spike	*Source sample: 21C0328-05 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/10/2021			
Perfluorobutanesulfonic acid (PFBS)	44.2	0.954	ng/L	33.8	6.15	113	25-150				
Perfluorohexanoic acid (PFHxA)	53.5	0.954	"	38.2	10.0	114	25-150				
Perfluoroheptanoic acid (PFHpA)	49.9	0.954	"	38.2	13.0	96.6	25-150				
Perfluorohexanesulfonic acid (PFHxS)	43.5	0.954	"	34.8	16.2	78.4	25-150				
Perfluorooctanoic acid (PFOA)	78.5	0.954	"	38.2	27.7	133	25-150				
Perfluorooctanesulfonic acid (PFOS)	130	0.954	"	35.3	ND	369	25-150	High Bias			
Perfluorononanoic acid (PFNA)	66.0	0.954	"	38.2	17.3	128	25-150				
Perfluorodecanoic acid (PFDA)	41.9	0.954	"	38.2	ND	110	25-150				
Perfluoroundecanoic acid (PFUnA)	42.7	0.954	"	38.2	1.74	107	25-150				
Perfluorododecanoic acid (PFDoA)	41.5	0.954	"	38.2	ND	109	25-150				
Perfluorotridecanoic acid (PFTrDA)	46.5	0.954	"	38.2	ND	122	25-150				
Perfluorotetradecanoic acid (PFTA)	41.2	0.954	"	38.2	ND	108	25-150				
N-MeFOSAA	41.9	0.954	"	38.2	ND	110	25-150				
N-EtFOSAA	43.8	0.954	"	38.2	ND	115	25-150				
Perfluoropentanoic acid (PFPeA)	55.4	0.954	"	38.2	13.9	109	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	41.7	0.954	"	38.2	ND	109	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.6	0.954	"	36.3	16.0	137	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	41.5	0.954	"	36.8	ND	113	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	38.3	2.39	"	36.3	ND	106	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	41.8	0.954	"	36.6	ND	114	25-150				
Perfluoro-n-butanoic acid (PFBA)	51.5	0.954	"	38.2	8.51	113	25-150				
Surrogate: M3PFBS	38.3		"	35.5		108	25-150				
Surrogate: M5PFHxA	39.7		"	38.2		104	25-150				
Surrogate: M4PFHpA	42.8		"	38.2		112	25-150				
Surrogate: M3PFHxS	38.9		"	36.1		108	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.2		"	38.2		84.2	25-150				
Surrogate: M6PFDA	27.2		"	38.2		71.2	25-150				
Surrogate: M7PFUdA	24.2		"	38.2		63.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	22.6		"	38.2		59.3	25-150				
Surrogate: M2PFTeDA	14.3		"	38.2		37.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	41.2		"	38.2		108	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	31.8		"	36.5		86.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	37.2		"	38.2		97.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.68		"	38.2		9.65	10-150				
Surrogate: d3-N-MeFOSAA	21.9		"	38.2		57.3	25-150				
Surrogate: d5-N-EtFOSAA	19.2		"	38.2		50.2	25-150				
Surrogate: M2-6:2 FTS	41.9		"	36.2		116	25-150				
Surrogate: M2-8:2 FTS	30.0		"	36.6		82.0	25-150				
Surrogate: M9PFNA	25.0		"	38.2		65.4	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC10474-MS2) Matrix Spike *Source sample: 21C0328-05RE1 (Matrix Spike) Prepared: 03/08/2021 Analyzed: 03/11/2021

Perfluorooctanesulfonic acid (PFOS)	1230	50.0	ng/L	74.1	540	938	25-150	High Bias



Organochlorine Pesticides by GC/ECD - 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 BC10317 - EPA 3550C

Blank (BC10317-BLK1)	Blank		Prepared: 03/05/2021 Analyzed: 03/08/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0500		"	0.0664		75.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0545		"	0.0664		82.1	30-150				

LCS (BC10317-BS1)	LCS		Prepared: 03/05/2021 Analyzed: 03/08/2021								
4,4'-DDD	0.0459	0.00164	mg/kg wet	0.0332		138	40-140				
4,4'-DDE	0.0423	0.00164	"	0.0332		127	40-140				
4,4'-DDT	0.0249	0.00164	"	0.0332		75.0	40-140				
Aldrin	0.0419	0.00164	"	0.0332		126	40-140				
alpha-BHC	0.0392	0.00164	"	0.0332		118	40-140				
alpha-Chlordane	0.0390	0.00164	"	0.0332		117	40-140				
beta-BHC	0.0370	0.00164	"	0.0332		111	40-140				
delta-BHC	0.0361	0.00164	"	0.0332		109	40-140				
Dieldrin	0.0409	0.00164	"	0.0332		123	40-140				
Endosulfan I	0.0459	0.00164	"	0.0332		138	40-140				
Endosulfan II	0.0427	0.00164	"	0.0332		129	40-140				
Endosulfan sulfate	0.0418	0.00164	"	0.0332		126	40-140				
Endrin	0.0347	0.00164	"	0.0332		104	40-140				
Endrin aldehyde	0.0413	0.00164	"	0.0332		124	40-140				
Endrin ketone	0.0405	0.00164	"	0.0332		122	40-140				
gamma-BHC (Lindane)	0.0398	0.00164	"	0.0332		120	40-140				
gamma-Chlordane	0.0408	0.00164	"	0.0332		123	40-140				
Heptachlor	0.0402	0.00164	"	0.0332		121	40-140				
Heptachlor epoxide	0.0422	0.00164	"	0.0332		127	40-140				
Methoxychlor	0.0247	0.00164	"	0.0332		74.4	40-140				
Surrogate: Decachlorobiphenyl	0.0548		"	0.0664		82.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0547		"	0.0664		82.4	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC10317 - EPA 3550C

Matrix Spike (BC10317-MS1)	Matrix Spike	*Source sample: 21C0184-05 (Matrix Spike)						Prepared: 03/05/2021 Analyzed: 03/11/2021			
4,4'-DDD	0.0424	0.00168	mg/kg dry	0.0340	ND	125	30-150				
4,4'-DDE	0.0390	0.00168	"	0.0340	ND	114	30-150				
4,4'-DDT	0.0187	0.00168	"	0.0340	ND	54.9	30-150				
Aldrin	0.0373	0.00168	"	0.0340	ND	110	30-150				
alpha-BHC	0.0341	0.00168	"	0.0340	ND	100	30-150				
alpha-Chlordane	0.0365	0.00168	"	0.0340	ND	107	30-150				
beta-BHC	0.0365	0.00168	"	0.0340	ND	107	30-150				
delta-BHC	0.0345	0.00168	"	0.0340	ND	101	30-150				
Dieldrin	0.0376	0.00168	"	0.0340	ND	111	30-150				
Endosulfan I	0.0438	0.00168	"	0.0340	ND	129	30-150				
Endosulfan II	0.0389	0.00168	"	0.0340	ND	114	30-150				
Endosulfan sulfate	0.0369	0.00168	"	0.0340	ND	108	30-150				
Endrin	0.0284	0.00168	"	0.0340	ND	83.5	30-150				
Endrin aldehyde	0.0324	0.00168	"	0.0340	ND	95.2	30-150				
Endrin ketone	0.0387	0.00168	"	0.0340	ND	114	30-150				
gamma-BHC (Lindane)	0.0353	0.00168	"	0.0340	ND	104	30-150				
gamma-Chlordane	0.0377	0.00168	"	0.0340	ND	111	30-150				
Heptachlor	0.0332	0.00168	"	0.0340	ND	97.6	30-150				
Heptachlor epoxide	0.0375	0.00168	"	0.0340	ND	110	30-150				
Methoxychlor	0.0190	0.00168	"	0.0340	ND	56.0	30-150				
Surrogate: Decachlorobiphenyl	0.0649		"	0.0681		95.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0562		"	0.0681		82.6	30-150				

Matrix Spike Dup (BC10317-1)	Matrix Spike Dup	*Source sample: 21C0184-05 (Matrix Spike Dup)						Prepared: 03/05/2021 Analyzed: 03/11/2021			
4,4'-DDD	0.0431	0.00168	mg/kg dry	0.0340	ND	127	30-150	1.64	30		
4,4'-DDE	0.0398	0.00168	"	0.0340	ND	117	30-150	2.25	30		
4,4'-DDT	0.0194	0.00168	"	0.0340	ND	57.0	30-150	3.80	30		
Aldrin	0.0376	0.00168	"	0.0340	ND	110	30-150	0.791	30		
alpha-BHC	0.0349	0.00168	"	0.0340	ND	102	30-150	2.40	30		
alpha-Chlordane	0.0369	0.00168	"	0.0340	ND	108	30-150	1.18	30		
beta-BHC	0.0326	0.00168	"	0.0340	ND	95.8	30-150	11.2	30		
delta-BHC	0.0352	0.00168	"	0.0340	ND	103	30-150	1.94	30		
Dieldrin	0.0382	0.00168	"	0.0340	ND	112	30-150	1.54	30		
Endosulfan I	0.0448	0.00168	"	0.0340	ND	132	30-150	2.25	30		
Endosulfan II	0.0397	0.00168	"	0.0340	ND	117	30-150	2.04	30		
Endosulfan sulfate	0.0378	0.00168	"	0.0340	ND	111	30-150	2.59	30		
Endrin	0.0298	0.00168	"	0.0340	ND	87.4	30-150	4.55	30		
Endrin aldehyde	0.0333	0.00168	"	0.0340	ND	97.9	30-150	2.79	30		
Endrin ketone	0.0394	0.00168	"	0.0340	ND	116	30-150	1.91	30		
gamma-BHC (Lindane)	0.0352	0.00168	"	0.0340	ND	104	30-150	0.193	30		
gamma-Chlordane	0.0382	0.00168	"	0.0340	ND	112	30-150	1.52	30		
Heptachlor	0.0339	0.00168	"	0.0340	ND	99.7	30-150	2.07	30		
Heptachlor epoxide	0.0382	0.00168	"	0.0340	ND	112	30-150	1.83	30		
Methoxychlor	0.0168	0.00168	"	0.0340	ND	49.4	30-150	12.5	30		
Surrogate: Decachlorobiphenyl	0.0661		"	0.0681		97.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0580		"	0.0681		85.2	30-150				



Organochlorine Pesticides by GC/ECD - 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 Y0L0501 - BL00027

Performance Mix (Y0L0501-P Performance Mix						Prepared & Analyzed: 12/05/2020					
4,4'-DDD	4.16		ng/mL	0.00			0-200				
4,4'-DDE	1.04		"	0.00			0-200				
4,4'-DDT	182		"	200		91.2	0-200				
Endrin	97.9		"	100		97.9	0-200				
Endrin aldehyde	1.33		"	0.00			0-200				
Endrin ketone	2.35		"	0.00			0-200				

Batch Y1C0910 - BB11219

Performance Mix (Y1C0910-F Performance Mix						Prepared & Analyzed: 03/08/2021					
4,4'-DDD	22.9		ng/mL	0.00			0-200				
4,4'-DDE	0.575		"	0.00			0-200				
4,4'-DDT	182		"	200		91.1	0-200				
Endrin	121		"	100		121	0-200				
Endrin aldehyde	1.39		"	0.00			0-200				
Endrin ketone	8.27		"	0.00			0-200				

Batch Y1C1217 - BB11219

Performance Mix (Y1C1217-F Performance Mix						Prepared & Analyzed: 03/11/2021					
4,4'-DDD	2.56		ng/mL	0.00			0-200				
4,4'-DDE	2.51		"	0.00			0-200				
4,4'-DDT	175		"	200		87.3	0-200				
Endrin	118		"	100		118	0-200				
Endrin aldehyde	2.13		"	0.00			0-200				
Endrin ketone	13.4		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BC10317 - EPA 3550C											
Blank (BC10317-BLK2)	Blank							Prepared: 03/05/2021 Analyzed: 03/06/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0492		"	0.0664		74.0	30-120				
Surrogate: Decachlorobiphenyl	0.0419		"	0.0664		63.0	30-120				
LCS (BC10317-BS2)	LCS							Prepared: 03/05/2021 Analyzed: 03/06/2021			
Aroclor 1016	0.288	0.0166	mg/kg wet	0.332		86.7	40-130				
Aroclor 1260	0.307	0.0166	"	0.332		92.4	40-130				
Surrogate: Tetrachloro-m-xylene	0.0605		"	0.0664		91.0	30-120				
Surrogate: Decachlorobiphenyl	0.0545		"	0.0664		82.0	30-120				
Matrix Spike (BC10317-MS2)	Matrix Spike	*Source sample: 21C0184-03 (Matrix Spike)						Prepared: 03/05/2021 Analyzed: 03/06/2021			
Aroclor 1016	0.218	0.0174	mg/kg dry	0.347	ND	62.9	40-140				
Aroclor 1260	0.267	0.0174	"	0.347	ND	77.0	40-140				
Surrogate: Tetrachloro-m-xylene	0.0587		"	0.0694		84.5	30-120				
Surrogate: Decachlorobiphenyl	0.0455		"	0.0694		65.5	30-120				
Matrix Spike Dup (BC10317-1)	Matrix Spike Dup	*Source sample: 21C0184-03 (Matrix Spike Dup)						Prepared: 03/05/2021 Analyzed: 03/06/2021			
Aroclor 1016	0.163	0.0174	mg/kg dry	0.347	ND	47.0	40-140		29.0	50	
Aroclor 1260	0.239	0.0174	"	0.347	ND	68.9	40-140		11.1	50	
Surrogate: Tetrachloro-m-xylene	0.0559		"	0.0694		80.5	30-120				
Surrogate: Decachlorobiphenyl	0.0427		"	0.0694		61.5	30-120				



Polychlorinated Biphenyls by GC/ECD - 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 Y1C0523 - BC10317

Aroclor Reference (Y1C0523-) Aroclor Reference

Prepared & Analyzed: 03/05/2021

Surrogate: Tetrachloro-m-xylene	0.206		ug/mL	0.200		103					
Surrogate: Decachlorobiphenyl	0.216		"	0.200		108					



Chlorinated Herbicides by GC/ECD - 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 BC10244 - EPA 3550C/8151A											
Blank (BC10244-BLK1)	Blank								Prepared & Analyzed: 03/04/2021		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.320		"	0.415		77.0	21-150				
LCS (BC10244-BS1)	LCS								Prepared & Analyzed: 03/04/2021		
2,4,5-T	0.0781	0.0199	mg/kg wet	0.133		58.7	10-120				
2,4,5-TP (Silvex)	0.0872	0.0199	"	0.133		65.6	10-120				
2,4-D	0.0855	0.0199	"	0.133		64.4	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.350		"	0.415		84.2	21-150				
Matrix Spike (BC10244-MS1)	Matrix Spike	*Source sample: 21C0110-05 (SB09_6-8)								Prepared & Analyzed: 03/04/2021	
2,4,5-T	0.0700	0.0330	mg/kg dry	0.220	ND	31.9	10-120				
2,4,5-TP (Silvex)	0.0865	0.0330	"	0.220	ND	39.4	10-120				
2,4-D	0.0783	0.0330	"	0.220	ND	35.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.361		"	0.687		52.6	21-150				
Matrix Spike Dup (BC10244-MS1)	Matrix Spike Dup	*Source sample: 21C0110-05 (SB09_6-8)								Prepared & Analyzed: 03/04/2021	
2,4,5-T	0.0769	0.0330	mg/kg dry	0.220	ND	35.0	10-120		9.35	35	
2,4,5-TP (Silvex)	0.0892	0.0330	"	0.220	ND	40.6	10-120		3.12	35	
2,4-D	0.0810	0.0330	"	0.220	ND	36.9	10-118		3.45	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.383		"	0.687		55.8	21-150				



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

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

Batch BC10279 - EPA 3050B

Blank (BC10279-BLK1)	Blank										Prepared: 03/04/2021 Analyzed: 03/05/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	8.49	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BC10279-DUP1)	Duplicate	*Source sample: 21C0198-20 (Duplicate)				Prepared: 03/04/2021 Analyzed: 03/05/2021			
Aluminum		10400	5.62	mg/kg dry	10200		2.12	35	
Antimony		ND	2.81	"	ND			35	
Arsenic		9.74	1.68	"	10.8		10.1	35	
Barium		76.2	2.81	"	70.3		8.13	35	
Beryllium		ND	0.056	"	ND			35	
Cadmium		0.551	0.337	"	0.445		21.3	35	
Calcium		7520	5.62	"	7300		3.05	35	
Chromium		15.3	0.562	"	15.8		3.06	35	
Cobalt		11.8	0.449	"	11.3		4.20	35	
Copper		56.3	2.25	"	118		71.1	35	Non-dir.
Iron		22000	28.1	"	20600		6.52	35	
Lead		35.0	0.562	"	27.9		22.4	35	
Magnesium		6340	5.62	"	6310		0.480	35	
Manganese		327	0.562	"	318		3.01	35	
Nickel		15.3	1.12	"	14.1		8.53	35	
Potassium		2440	5.62	"	2010		19.0	35	
Selenium		ND	2.81	"	ND			35	
Silver		ND	0.562	"	ND			35	
Sodium		187	56.2	"	191		2.32	35	
Thallium		ND	2.81	"	ND			35	
Vanadium		51.3	1.12	"	42.5		18.7	35	
Zinc		201	2.81	"	117		52.7	35	Non-dir.



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

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

Batch BC10279 - EPA 3050B

Matrix Spike (BC10279-MS1)	Matrix Spike	*Source sample: 21C0198-20 (Matrix Spike)						Prepared: 03/04/2021 Analyzed: 03/05/2021			
Aluminum	10500	5.62	mg/kg dry	225	10200	155	75-125	High Bias			
Antimony	ND	2.81	"	28.1	ND		75-125	Low Bias			
Arsenic	230	1.68	"	225	10.8	97.6	75-125				
Barium	289	2.81	"	225	70.3	97.4	75-125				
Beryllium	2.98	0.056	"	5.62	ND	53.1	75-125	Low Bias			
Cadmium	5.79	0.337	"	5.62	0.445	95.2	75-125				
Calcium	7860	5.62	"	112	7300	498	75-125	High Bias			
Chromium	35.5	0.562	"	22.5	15.8	87.6	75-125				
Cobalt	65.0	0.449	"	56.2	11.3	95.5	75-125				
Copper	91.9	2.25	"	28.1	118	NR	75-125	Low Bias			
Iron	22200	28.1	"	112	20600	NR	75-125	High Bias			
Lead	93.3	0.562	"	56.2	27.9	116	75-125				
Magnesium	6540	5.62	"	112	6310	206	75-125	High Bias			
Manganese	375	0.562	"	56.2	318	103	75-125				
Nickel	70.9	1.12	"	56.2	14.1	101	75-125				
Potassium	2150	5.62	"	112	2010	126	75-125	High Bias			
Selenium	181	2.81	"	225	ND	80.7	75-125				
Silver	ND	0.562	"	5.62	ND		75-125	Low Bias			
Sodium	277	56.2	"	112	191	75.9	75-125				
Thallium	207	2.81	"	225	ND	92.3	75-125				
Vanadium	102	1.12	"	56.2	42.5	106	75-125				
Zinc	162	2.81	"	56.2	117	80.2	75-125				

Post Spike (BC10279-PS1)	Post Spike	*Source sample: 21C0198-20 (Post Spike)						Prepared: 03/04/2021 Analyzed: 03/05/2021			
Aluminum	92.7		ug/mL	2.00	90.6	105	75-125				
Antimony	0.235		"	0.250	-0.056	93.9	75-125				
Arsenic	2.06		"	2.00	0.096	98.4	75-125				
Barium	2.55		"	2.00	0.625	96.1	75-125				
Beryllium	0.027		"	0.0500	-0.021	54.6	75-125	Low Bias			
Cadmium	0.052		"	0.0500	0.004	96.4	75-125				
Calcium	65.7		"	1.00	65.0	71.7	75-125	Low Bias			
Chromium	0.322		"	0.200	0.141	90.8	75-125				
Cobalt	0.583		"	0.500	0.101	96.4	75-125				
Copper	1.27		"	0.250	1.05	85.2	75-125				
Iron	185		"	1.00	184	91.1	75-125				
Lead	0.746		"	0.500	0.249	99.5	75-125				
Magnesium	57.0		"	1.00	56.2	77.5	75-125				
Manganese	3.23		"	0.500	2.83	79.8	75-125				
Nickel	0.630		"	0.500	0.125	101	75-125				
Potassium	19.0		"	1.00	17.9	104	75-125				
Selenium	1.67		"	2.00	-0.117	83.3	75-125				
Silver	-0.022		"	0.0500	-0.055		75-125	Low Bias			
Sodium	2.58		"	1.00	1.70	87.9	75-125				
Thallium	1.87		"	2.00	-0.086	93.6	75-125				
Vanadium	0.842		"	0.500	0.378	92.7	75-125				
Zinc	1.48		"	0.500	1.04	87.7	75-125				



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

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

Batch BC10279 - EPA 3050B

Reference (BC10279-SRM1)	Reference	Prepared: 03/04/2021 Analyzed: 03/05/2021									
Aluminum	8050	5.00	mg/kg wet	8190		98.3	50.5-150.1				
Antimony	62.2	2.50	"	110		56.5	19-251.7				
Arsenic	155	1.50	"	162		95.7	70.1-129.8				
Barium	135	2.50	"	138		97.8	75-125				
Beryllium	147	0.050	"	157		93.5	75-125.2				
Cadmium	128	0.300	"	135		94.9	74.8-125.2				
Calcium	4280	5.00	"	4790		89.3	72.7-127.5				
Chromium	110	0.500	"	117		93.7	70.1-129.9				
Cobalt	89.5	0.400	"	92.6		96.6	75-125				
Copper	135	2.00	"	143		94.5	75.3-125.3				
Iron	12600	25.0	"	15100		83.7	35.8-164.6				
Lead	69.5	0.500	"	77.6		89.6	70-130				
Magnesium	2170	5.00	"	2320		93.7	61.7-137.8				
Manganese	325	0.500	"	319		102	78.1-122				
Nickel	83.2	1.00	"	79.9		104	70.1-130.1				
Potassium	2050	5.00	"	2050		99.8	59.1-140.9				
Selenium	139	2.50	"	172		80.6	55.7-144.5				
Silver	21.2	0.500	"	24.7		86.0	69.2-130.8				
Sodium	126	50.0	"	137		92.0	36.1-163.3				
Thallium	79.8	2.50	"	88.0		90.7	65.3-146.8				
Vanadium	92.4	1.00	"	99.9		92.4	67-133.1				
Zinc	291	2.50	"	312		93.2	69.9-130.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BC10301 - EPA 7473 soil											
Blank (BC10301-BLK1)	Blank								Prepared & Analyzed: 03/04/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC10301-DUP1)	Duplicate	*Source sample: 21C0198-20 (Duplicate)							Prepared & Analyzed: 03/04/2021		
Mercury	0.235	0.0337	mg/kg dry		0.452				63.0	35	Non-dir.
Matrix Spike (BC10301-MS1)	Matrix Spike	*Source sample: 21C0198-20 (Matrix Spike)							Prepared & Analyzed: 03/04/2021		
Mercury	0.675		mg/kg	0.500	0.402	54.6	75-125	Low Bias			
Reference (BC10301-SRM1)	Reference								Prepared & Analyzed: 03/04/2021		
Mercury	30.644		mg/kg	27.2		113	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BC10172 - EPA SW846-3060

Blank (BC10172-BLK1)	Blank								Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BC10172-DUP1)	Duplicate	*Source sample: 21C0044-01 (Duplicate)							Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	ND	0.582	mg/kg dry		ND					35	
Matrix Spike (BC10172-MS1)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike)							Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	18.0	0.582	mg/kg dry	23.3	ND	77.2	75-125				
Matrix Spike (BC10172-MS2)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike)							Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	16.1	0.582	mg/kg dry	23.3	ND	69.0	75-125	Low Bias			
Reference (BC10172-SRM1)	Reference								Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	45.9		mg/L	109		42.1	30-169.7				

Batch BC10254 - Analysis Preparation Soil

Blank (BC10254-BLK1)	Blank								Prepared & Analyzed: 03/04/2021		
Cyanide, total	ND	0.0100	mg/kg wet								
Duplicate (BC10254-DUP1)	Duplicate	*Source sample: 21C0044-01 (Duplicate)							Prepared & Analyzed: 03/04/2021		
Cyanide, total	ND	0.0116	mg/kg dry		ND					15	
Matrix Spike (BC10254-MS1)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike)							Prepared & Analyzed: 03/04/2021		
Cyanide, total	0.154	0.0116	mg/kg dry	0.233	ND	65.9	79.6-107	Low Bias			
Reference (BC10254-SRM1)	Reference								Prepared & Analyzed: 03/04/2021		
Cyanide, total	55.7		ug/mL	91.9		60.6	42.22-159.96				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10180 - % Solids Prep

Duplicate (BC10180-DUP1)	Duplicate	*Source sample: 21C0110-01 (SB04 0-0.5)					Prepared: 03/03/2021 Analyzed: 03/04/2021				
% Solids		85.9	0.100	%		85.3		0.704	20		

Batch BC10237 - % Solids Prep

Duplicate (BC10237-DUP1)	Duplicate	*Source sample: 21C0166-02 (Duplicate)					Prepared: 03/03/2021 Analyzed: 03/04/2021				
% Solids		87.6	0.100	%		85.9		1.90	20		

Batch BC10913 - % Solids Prep

Duplicate (BC10913-DUP1)	Duplicate	*Source sample: 21C0672-11 (Duplicate)					Prepared & Analyzed: 03/16/2021				
% Solids		90.1	0.100	%		91.4		1.37	20		



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0110-01	SB04_0-0.5	40mL Vial with Stir Bar-Cool 4° C
21C0110-02	SB04_6-8	40mL Vial with Stir Bar-Cool 4° C
21C0110-03	SB04_12-14	40mL Vial with Stir Bar-Cool 4° C
21C0110-05	SB09_6-8	40mL Vial with Stir Bar-Cool 4° C
21C0110-06	SB09_8-10	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0110-07	SB09_18-20	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
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).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogeneity of the sample verses the native sample
VOA-Re	VOA sample for re-run was taken from a bulk sample container noncompliant with SW-846 5035A due to a depletion of a proper vial during analysis. Results below 200 ug/Kg may be biased low.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-01	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-08	The recovery of this surrogate was outside of QC limits.
S-Alk	The surrogate recoveries for the acid surrogates in the sample recovered below control limits due to a highly alkaline matrix present in the sample. This is common when concrete or mixtures containing concrete or limestone are encountered.
VOA-CONT	Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

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.

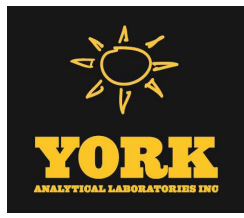
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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.

Revision Description: This report has been revised to include VOA results on Sample -07.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/22/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0167

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/22/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0167

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 03, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0167-01	SB12_0-0.5	Soil	03/03/2021	03/03/2021
21C0167-02	SB12_0.5-2	Soil	03/03/2021	03/03/2021
21C0167-03	SB12_8-10	Soil	03/03/2021	03/03/2021
21C0167-04	SB12_18-20	Soil	03/03/2021	03/03/2021
21C0167-05	SO_FB01_030321	Water	03/03/2021	03/03/2021
21C0167-06	EC_FB02_030321	Water	03/03/2021	03/03/2021
21C0167-07	TB01_030321	Water	03/03/2021	03/03/2021

General Notes for York Project (SDG) No.: 21C0167

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: 03/22/2021





Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:50 am

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 14:08	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 14:08	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
78-93-3	2-Butanone	0.0053	B, J	mg/kg dry	0.0021	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:50 am

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
67-64-1	Acetone	0.0052	J	mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:50 am

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:50 am

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:08	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 14:08	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.6 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	110 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	115 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 11:50 am

Date Received
03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
62-53-3	Aniline	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
92-87-5	Benzidine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
56-55-3	Benzo(a)anthracene	0.111		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:50 am

03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.0944		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
205-99-2	Benzo(b)fluoranthene	0.0774	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
191-24-2	Benzo(g,h,i)perylene	0.0859	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
207-08-9	Benzo(k)fluoranthene	0.0767	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0894	B	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
218-01-9	Chrysene	0.136		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0888	0.177	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
206-44-0	Fluoranthene	0.173		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 11:50 am

Date Received
03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.0625	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
85-01-8	Phenanthrene	0.0788	J	mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
129-00-0	Pyrene	0.236		mg/kg dry	0.0445	0.0888	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
110-86-1	Pyridine	ND		mg/kg dry	0.178	0.356	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:27	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	46.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	60.5 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.7 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	40.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.4 %	24-116								



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 11:50 am

Date Received
03/03/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 16:35	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	50.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	0.723		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.504	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 19:40	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	147 %
Surrogate: M5PFHxA	70.4 %
Surrogate: M4PFHpA	135 %
Surrogate: M3PFHxS	83.4 %
Surrogate: Perfluoro-n-[13C8]octanoic acid	89.7 %
Surrogate: M6PFDA	65.5 %
Surrogate: M7PFUdA	45.5 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	50.7 %
Surrogate: M2PFTeDA	37.8 %
Surrogate: Perfluoro-n-[13C4]butanoic acid	63.4 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	45.7 %
Surrogate: Perfluoro-n-[13C5]pentanoic acid	132 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	41.7 %
Surrogate: d3-N-MeFOSAA	63.1 %
Surrogate: d5-N-EtFOSAA	38.2 %
Surrogate: M2-6:2 FTS	113 %
Surrogate: M2-8:2 FTS	122 %
Surrogate: M9PFNA	109 %

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM



Sample Information

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 13:30	03/09/2021 14:50	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/05/2021 13:30	03/09/2021 14:50	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 13:30	03/09/2021 14:50	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 14:50	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0349	5	EPA 8081B Certifications:	03/05/2021 13:30	03/09/2021 14:50	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	88.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.8 %	30-150							



Sample Information

Client Sample ID: SB12_0-0.5

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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:44	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	03/05/2021 13:30	03/08/2021 15:44	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	77.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	58.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:01	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:01	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:01	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	63.6 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.

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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5310		mg/kg dry	5.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-38-2	Arsenic	11.3		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-39-3	Barium	57.0		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-43-9	Cadmium	0.369		mg/kg dry	0.322	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-70-2	Calcium	63700		mg/kg dry	5.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-47-3	Chromium	20.8		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-48-4	Cobalt	4.38		mg/kg dry	0.429	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-50-8	Copper	737		mg/kg dry	2.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7439-89-6	Iron	14800		mg/kg dry	26.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7439-92-1	Lead	57.6		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7439-95-4	Magnesium	24000		mg/kg dry	5.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7439-96-5	Manganese	244		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-02-0	Nickel	13.2		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-09-7	Potassium	867	B	mg/kg dry	5.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7782-49-2	Selenium	3.29		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-22-4	Silver	ND		mg/kg dry	0.536	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-23-5	Sodium	238		mg/kg dry	53.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM
7440-62-2	Vanadium	17.8		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM



Sample Information

Client Sample ID: SB12_0-0.5

York Sample ID: 21C0167-01

York Project (SDG) No.
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Client Project ID
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Date Received
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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	93.2		mg/kg dry	2.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:06	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0322	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/04/2021 16:42	03/04/2021 20:56	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.536	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/04/2021 08:33	03/04/2021 15:30	OT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.8		mg/kg	0.500	1	Calculation Certifications:	03/10/2021 13:49	03/10/2021 13:52	MAO

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.536	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 08:29	03/05/2021 13:45	OT

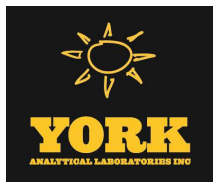
Total Solids

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
solids	* % Solids	93.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/05/2021 13:13	03/08/2021 17:16	ALH



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

Client Project ID

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21C0167

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Soil

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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 14:35	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 14:35	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
78-93-3	2-Butanone	0.0060	B, J	mg/kg dry	0.0026	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0167

170430001

Soil

March 3, 2021 11:55 am

03/03/2021

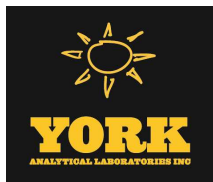
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
67-64-1	Acetone	0.0081	J	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:55 am

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

Client Project ID

Matrix

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21C0167

170430001

Soil

March 3, 2021 11:55 am

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 14:35	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 14:35	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.3 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	112 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:55 am

03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
62-53-3	Aniline	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
120-12-7	Anthracene	0.0454	J	mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
56-55-3	Benzo(a)anthracene	0.151		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:55 am

03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.128		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
205-99-2	Benzo(b)fluoranthene	0.108		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
191-24-2	Benzo(g,h,i)perylene	0.101		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
207-08-9	Benzo(k)fluoranthene	0.101		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0944	B	mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
218-01-9	Chrysene	0.166		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0901	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
206-44-0	Fluoranthene	0.281		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 11:55 am

Date Received
03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.0735	J	mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
85-01-8	Phenanthrene	0.173		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
108-95-2	Phenol	ND		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
129-00-0	Pyrene	0.294		mg/kg dry	0.0452	0.0901	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 14:59	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	27.4 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	51.3 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	62.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.5 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	38.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.2 %	24-116								



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:55 am

03/03/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 16:53	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	58.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 11:55 am

Date Received
03/03/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:02	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	161 %	PFSu-H	25-150
Surrogate: M5PFHxA	70.9 %		25-150
Surrogate: M4PFHpA	132 %		25-150
Surrogate: M3PFHxS	88.4 %		25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	80.6 %		25-150
Surrogate: M6PFDA	57.7 %		25-150
Surrogate: M7PFUdA	48.3 %		25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	57.2 %		25-150
Surrogate: M2PFTeDA	44.5 %		10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	67.1 %		25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	46.4 %		25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid	138 %		25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	49.4 %		10-150
Surrogate: d3-N-MeFOSAA	55.7 %		25-150
Surrogate: d5-N-EtFOSAA	28.3 %		25-150
Surrogate: M2-6:2 FTS	64.0 %		25-150
Surrogate: M2-8:2 FTS	82.9 %		25-150
Surrogate: M9PFNA	125 %		25-150

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 11:55 am

Date Received
03/03/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 13:30	03/09/2021 15:07	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/05/2021 13:30	03/09/2021 15:07	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
72-20-8	Endrin	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 13:30	03/09/2021 15:07	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.182	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:07	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0365	5	EPA 8081B Certifications:	03/05/2021 13:30	03/09/2021 15:07	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	116 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.4 %	30-150							



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
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Collection Date/Time
March 3, 2021 11:55 am

Date Received
03/03/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 15:58	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0184	1	EPA 8082A Certifications:	03/05/2021 13:30	03/08/2021 15:58	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	76.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:12	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:12	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:12	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	37.8 %	21-150							

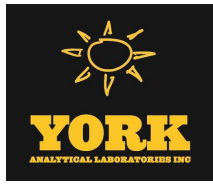
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 11:55 am

03/03/2021

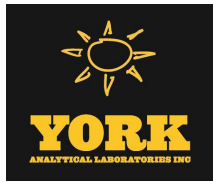
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7160		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-38-2	Arsenic	3.73		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-39-3	Barium	83.7		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.334	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-70-2	Calcium	67700		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-47-3	Chromium	28.6		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-48-4	Cobalt	7.01		mg/kg dry	0.445	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-50-8	Copper	32.2		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7439-89-6	Iron	16700		mg/kg dry	27.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7439-92-1	Lead	17.9		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7439-95-4	Magnesium	23300		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7439-96-5	Manganese	204		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-02-0	Nickel	11.8		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-09-7	Potassium	748	B	mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-22-4	Silver	ND		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-23-5	Sodium	590		mg/kg dry	55.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM
7440-62-2	Vanadium	39.6		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:15	WJM



Sample Information

Client Sample ID: SB12_0.5-2

York Sample ID: 21C0167-02

York Project (SDG) No.

21C0167

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 3, 2021 11:55 am

Date Received

03/03/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	46.3		mg/kg dry	2.78	1	EPA 6010D	03/04/2021 13:52	03/08/2021 16:15	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0384		mg/kg dry	0.0334	1	EPA 7473	03/04/2021 16:42	03/04/2021 21:04	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	6.81		mg/kg dry	0.557	1	EPA 7196A	03/04/2021 08:33	03/04/2021 15:30	OT
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.8		mg/kg	0.500	1	Calculation	03/10/2021 13:49	03/10/2021 13:52	MAO
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.557	1	EPA 9014/9010C	03/05/2021 08:29	03/05/2021 13:45	OT
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Total 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
solids	* % Solids	89.8		%	0.100	1	SM 2540G	03/05/2021 13:15	03/08/2021 17:21	ALH
Certifications: CTDOH										



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:00 pm

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 15:02	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 15:02	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
95-63-6	1,2,4-Trimethylbenzene	3.5		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
108-67-8	1,3,5-Trimethylbenzene	2.5		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	6.9	14	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
78-93-3	2-Butanone	1.0	B, J	mg/kg dry	0.35	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:00 pm

03/03/2021

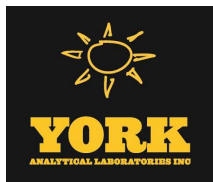
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
67-64-1	Acetone	ND		mg/kg dry	0.69	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
107-02-8	Acrolein	ND		mg/kg dry	0.69	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
71-43-2	Benzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-25-2	Bromoform	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
67-66-3	Chloroform	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
110-82-7	Cyclohexane	0.98		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:00 pm

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
108-87-2	Methylcyclohexane	1.1		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.69	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
95-47-6	o-Xylene	0.64	J	mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
179601-23-1	p- & m- Xylenes	1.0	J	mg/kg dry	0.69	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
100-42-5	Styrene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
108-88-3	Toluene	0.48	J	mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 12:00 pm

Date Received
03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.35	0.69	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:02	MD
1330-20-7	Xylenes, Total	1.7	J	mg/kg dry	1.0	2.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 15:02	MD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.8 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	111 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	106 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.155		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
91-57-6	2-Methylnaphthalene	1.03		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:00 pm

03/03/2021

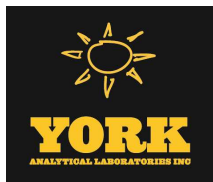
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
65794-96-9	3- & 4-Methylphenols	0.254		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
83-32-9	Acenaphthene	0.154		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
208-96-8	Acenaphthylene	0.0770	J	mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
62-53-3	Aniline	ND		mg/kg dry	0.219	0.438	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
120-12-7	Anthracene	0.150		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
92-87-5	Benzidine	ND		mg/kg dry	0.219	0.438	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
56-55-3	Benzo(a)anthracene	0.172		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:00 pm

03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.151		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
205-99-2	Benzo(b)fluoranthene	0.142		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
191-24-2	Benzo(g,h,i)perylene	0.138		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
207-08-9	Benzo(k)fluoranthene	0.122		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
86-74-8	Carbazole	0.175		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
218-01-9	Chrysene	0.289		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
132-64-9	Dibenzofuran	0.170		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.109	0.219	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
206-44-0	Fluoranthene	0.482		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 12:00 pm

Date Received
03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.182		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.117		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
91-20-3	Naphthalene	0.906		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
85-01-8	Phenanthrene	0.737		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
108-95-2	Phenol	ND		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
129-00-0	Pyrene	0.475		mg/kg dry	0.0548	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
110-86-1	Pyridine	ND		mg/kg dry	0.219	0.438	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/05/2021 15:30	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	41.1 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	55.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	61.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	62.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	35.3 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	82.7 %	24-116								



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 12:00 pm

Date Received
03/03/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/05/2021 07:28	03/05/2021 17:11	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	58.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 12:00 pm

Date Received
03/03/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.658	1	EPA 537m Certifications:	03/04/2021 14:23	03/10/2021 20:25	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	129 %
Surrogate: M5PFHxA	62.3 %
Surrogate: M4PFHpA	103 %
Surrogate: M3PFHxS	67.6 %
Surrogate: Perfluoro-n-[13C8]octanoic acid	88.8 %
Surrogate: M6PFDA	58.7 %
Surrogate: M7PFUdA	33.9 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	31.6 %
Surrogate: M2PFTeDA	23.9 %
Surrogate: Perfluoro-n-[13C4]butanoic acid	50.9 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	29.7 %
Surrogate: Perfluoro-n-[13C5]pentanoic acid	110 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	30.4 %
Surrogate: d3-N-MeFOSAA	50.4 %
Surrogate: d5-N-EtFOSAA	31.4 %
Surrogate: M2-6:2 FTS	166 %
Surrogate: M2-8:2 FTS	133 %
Surrogate: M9PFNA	99.5 %

PFSu-H

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:00 pm

03/03/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 13:30	03/09/2021 15:24	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/05/2021 13:30	03/09/2021 15:24	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
72-20-8	Endrin	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/05/2021 13:30	03/09/2021 15:24	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.215	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/09/2021 15:24	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0430	5	EPA 8081B Certifications:	03/05/2021 13:30	03/09/2021 15:24	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	74.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	45.4 %	30-150							



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 3, 2021 12:00 pm

Date Received
03/03/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/05/2021 13:30	03/08/2021 16:11	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications:	03/05/2021 13:30	03/08/2021 16:11	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	67.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	50.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0259	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:23	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0259	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:23	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0259	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/06/2021 05:21	03/08/2021 18:23	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	102 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:00 pm

03/03/2021

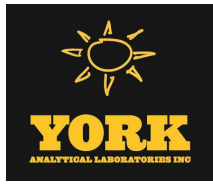
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10100		mg/kg dry	6.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-38-2	Arsenic	7.88		mg/kg dry	1.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-39-3	Barium	194		mg/kg dry	3.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.066	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-43-9	Cadmium	0.478		mg/kg dry	0.399	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-70-2	Calcium	20300		mg/kg dry	6.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-47-3	Chromium	16.9		mg/kg dry	0.665	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-48-4	Cobalt	9.27		mg/kg dry	0.532	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-50-8	Copper	123		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7439-89-6	Iron	14500		mg/kg dry	33.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7439-92-1	Lead	302		mg/kg dry	0.665	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7439-95-4	Magnesium	2380		mg/kg dry	6.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7439-96-5	Manganese	102		mg/kg dry	0.665	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-02-0	Nickel	22.7		mg/kg dry	1.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-09-7	Potassium	1700	B	mg/kg dry	6.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-22-4	Silver	ND		mg/kg dry	0.665	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-23-5	Sodium	392		mg/kg dry	66.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM
7440-62-2	Vanadium	22.6		mg/kg dry	1.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM



Sample Information

Client Sample ID: SB12_8-10

York Sample ID: 21C0167-03

York Project (SDG) No.

21C0167

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 3, 2021 12:00 pm

Date Received

03/03/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	353		mg/kg dry	3.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 13:52	03/08/2021 16:18	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	2.22		mg/kg dry	0.0399	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/04/2021 16:42	03/04/2021 21:13	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.665	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/04/2021 08:33	03/04/2021 15:30	OT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.9		mg/kg	0.500	1	Calculation Certifications:	03/10/2021 13:49	03/10/2021 13:52	MAO

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.665	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/05/2021 08:29	03/05/2021 13:45	OT

Total 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
solids	* % Solids	75.2		%	0.100	1	SM 2540G Certifications: CTDOH	03/05/2021 13:15	03/08/2021 17:21	ALH



Sample Information

Client Sample ID: SB12_18-20

York Sample ID: 21C0167-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:15 pm

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 15:30	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 15:30	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.068	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
78-93-3	2-Butanone	0.012	B, J	mg/kg dry	0.0034	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD



Sample Information

Client Sample ID: SB12_18-20

York Sample ID: 21C0167-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:15 pm

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
67-64-1	Acetone	0.024		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
71-43-2	Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-15-0	Carbon disulfide	0.0064	J	mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD



Sample Information

Client Sample ID: SB12_18-20

York Sample ID: 21C0167-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:15 pm

03/03/2021

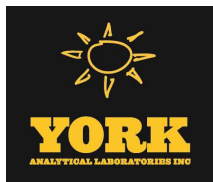
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0068	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
100-42-5	Styrene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
108-88-3	Toluene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD



Sample Information

Client Sample ID: SB12_18-20

York Sample ID: 21C0167-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Soil

March 3, 2021 12:15 pm

03/03/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/05/2021 06:47	03/05/2021 15:30	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.010	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/05/2021 06:47	03/05/2021 15:30	MD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.8 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	110 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	76-130								

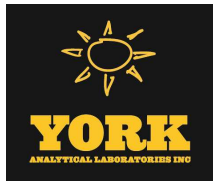
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	21300		mg/kg dry	8.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-36-0	Antimony	ND		mg/kg dry	4.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-38-2	Arsenic	11.4		mg/kg dry	2.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-39-3	Barium	54.9		mg/kg dry	4.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.082	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-43-9	Cadmium	0.720		mg/kg dry	0.492	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-70-2	Calcium	3220		mg/kg dry	8.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-47-3	Chromium	38.0		mg/kg dry	0.820	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-48-4	Cobalt	13.7		mg/kg dry	0.656	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-50-8	Copper	15.0		mg/kg dry	3.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7439-89-6	Iron	41300		mg/kg dry	41.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7439-92-1	Lead	13.0		mg/kg dry	0.820	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7439-95-4	Magnesium	7920		mg/kg dry	8.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7439-96-5	Manganese	629		mg/kg dry	0.820	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM



Sample Information

Client Sample ID: SB12_18-20

York Sample ID: 21C0167-04

York Project (SDG) No.

21C0167

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 3, 2021 12:15 pm

Date Received

03/03/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	32.9		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-09-7	Potassium	5060	B	mg/kg dry	8.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7782-49-2	Selenium	ND		mg/kg dry	4.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-22-4	Silver	ND		mg/kg dry	0.820	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-23-5	Sodium	1030		mg/kg dry	82.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-28-0	Thallium	ND		mg/kg dry	4.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-62-2	Vanadium	45.1		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM
7440-66-6	Zinc	86.3		mg/kg dry	4.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 09:58	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0492	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/18/2021 14:35	03/19/2021 14:56	BR

Total 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
solids	* % Solids	61.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/16/2021 08:43	03/16/2021 15:52	OT



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Water

March 3, 2021 1:15 pm

03/03/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
78-93-3	2-Butanone	0.290	Cal-E, CCV-E, B	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Water

March 3, 2021 1:15 pm

03/03/2021

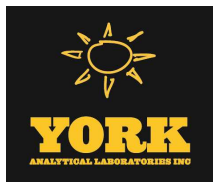
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Water

March 3, 2021 1:15 pm

03/03/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-09-2	Methylene chloride	2.79		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0167

170430001

Water

March 3, 2021 1:15 pm

03/03/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 15:18	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/04/2021 06:47	03/04/2021 15:18	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.4 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	95.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.7 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.

Client Project ID

Matrix

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21C0167

170430001

Water

March 3, 2021 1:15 pm

03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 3, 2021 1:15 pm

Date Received
03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 19:03	KH
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	41.3 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	27.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	80.0 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.8 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.2 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	112 %	S-08		30.7-106						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 3, 2021 1:15 pm

Date Received
03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
120-12-7	Anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2021 07:18	03/09/2021 17:47	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2021 07:18	03/09/2021 17:47	CD
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
86-73-7	Fluorene	0.164		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2021 07:18	03/09/2021 17:47	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2021 07:18	03/09/2021 17:47	CD
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2021 07:18	03/09/2021 17:47	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
91-20-3	Naphthalene	0.533	B	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2021 07:18	03/09/2021 17:47	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2021 07:18	03/09/2021 17:47	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/09/2021 07:18	03/09/2021 17:47	CD



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 3, 2021 1:15 pm

Date Received
03/03/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD
129-00-0	Pyrene	0.0615	B	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:18	03/09/2021 17:47	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/05/2021 07:47	03/08/2021 12:06	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %					36.6-118			

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 3, 2021 1:15 pm

Date Received
03/03/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/08/2021 14:01	CM
57-74-9	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	03/04/2021 12:41	03/08/2021 14:01	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	55.5 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	58.3 %		30-150						

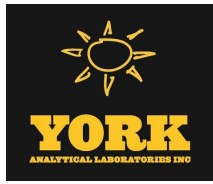
Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ



Sample Information

Client Sample ID: SO_FB01_030321

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21C0167

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 3, 2021 1:15 pm

Date Received

03/03/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
37324-23-5	Aroclor 1262	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/04/2021 12:41	03/05/2021 15:06	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	03/04/2021 12:41	03/05/2021 15:06	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	62.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	59.5 %		30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:35	03/10/2021 17:35	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:35	03/10/2021 17:35	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:35	03/10/2021 17:35	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	97.8 %		30-150						

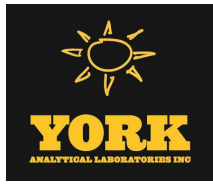
Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.

21C0167

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 3, 2021 1:15 pm

Date Received

03/03/2021

Metals, Target Analyte, ICP

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
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-09-7	Potassium	0.191	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:48	03/09/2021 14:47	WJM

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:44	03/09/2021 15:22	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:44	03/09/2021 15:22	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:44	03/09/2021 15:22	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:44	03/09/2021 15:22	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:44	03/09/2021 15:22	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/05/2021 09:44	03/09/2021 15:22	BML

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.00020	B	mg/L	0.00020	1	EPA 7473 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/04/2021 17:28	03/04/2021 20:46	BR



Sample Information

Client Sample ID: SO_FB01_030321

York Sample ID: 21C0167-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Water

March 3, 2021 1:15 pm

03/03/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A	03/03/2021 18:18	03/03/2021 21:32	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	03/10/2021 13:51	03/10/2021 13:52	MAO
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	03/05/2021 14:04	03/05/2021 20:00	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: EC_FB02_030321

York Sample ID: 21C0167-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Water

March 3, 2021 3:00 pm

03/03/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.40	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.962	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 21:09	WL



Sample Information

Client Sample ID: EC_FB02_030321

York Sample ID: 21C0167-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Water

March 3, 2021 3:00 pm

03/03/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.962	1	EPA 537m	03/08/2021 18:46	03/10/2021 21:09	WL
Certifications:										
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		103 %	25-150							
Surrogate: M5PFHxA		109 %	25-150							
Surrogate: M4PFHpA		73.7 %	25-150							
Surrogate: M3PFHxS		88.4 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		99.4 %	25-150							
Surrogate: M6PFDA		94.0 %	25-150							
Surrogate: M7PFUdA		71.0 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		61.4 %	25-150							
Surrogate: M2PFTeDA		44.8 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		99.1 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		79.7 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		97.3 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		44.8 %	10-150							
Surrogate: d3-N-MeFOSAA		47.9 %	25-150							
Surrogate: d5-N-EtFOSAA		47.0 %	25-150							
Surrogate: M2-6:2 FTS		80.6 %	25-150							
Surrogate: M2-8:2 FTS		114 %	25-150							
Surrogate: M9PFNA		96.9 %	25-150							



Sample Information

Client Sample ID: TB01_030321

York Sample ID: 21C0167-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Water

March 3, 2021 12:00 am

03/03/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
78-93-3	2-Butanone	0.410	Cal-E, CCV-E, B	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD



Sample Information

Client Sample ID: TB01_030321

York Sample ID: 21C0167-07

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 3, 2021 12:00 am

Date Received
03/03/2021

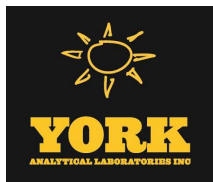
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD



Sample Information

Client Sample ID: TB01_030321

York Sample ID: 21C0167-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0167

170430001

Water

March 3, 2021 12:00 am

03/03/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD



Sample Information

Client Sample ID: TB01_030321

York Sample ID: 21C0167-07

York Project (SDG) No.
21C0167

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 3, 2021 12:00 am

Date Received
03/03/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/04/2021 06:47	03/04/2021 14:00	MD
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/04/2021 06:47	03/04/2021 14:00	MD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.0 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	93.8 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.7 %	79-122								



Analytical Batch Summary

Batch ID: BC10070 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/03/21
BC10070-BLK1	Blank	03/03/21
BC10070-BS1	LCS	03/03/21
BC10070-DUP1	Duplicate	03/03/21
BC10070-MS1	Matrix Spike	03/03/21

Batch ID: BC10248 **Preparation Method:** EPA SW846-3060 **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/04/21
21C0167-02	SB12_0.5-2	03/04/21
21C0167-03	SB12_8-10	03/04/21
BC10248-BLK1	Blank	03/04/21
BC10248-DUP1	Duplicate	03/04/21
BC10248-MS1	Matrix Spike	03/04/21
BC10248-MS2	Matrix Spike	03/04/21
BC10248-SRM1	Reference	03/04/21

Batch ID: BC10271 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GO

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/04/21
21C0167-05	SO_FB01_030321	03/04/21
BC10271-BLK1	Blank	03/04/21
BC10271-BLK2	Blank	03/04/21
BC10271-BS1	LCS	03/04/21
BC10271-BS2	LCS	03/04/21
BC10271-BSD1	LCS Dup	03/04/21
BC10271-BSD2	LCS Dup	03/04/21

Batch ID: BC10276 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/04/21
21C0167-02	SB12_0.5-2	03/04/21
21C0167-03	SB12_8-10	03/04/21
BC10276-BLK1	Blank	03/04/21
BC10276-BS1	LCS	03/04/21
BC10276-MS1	Matrix Spike	03/04/21
BC10276-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10280 **Preparation Method:** EPA 3050B **Prepared By:** BR



YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/04/21
21C0167-02	SB12_0.5-2	03/04/21
21C0167-03	SB12_8-10	03/04/21
BC10280-BLK1	Blank	03/04/21
BC10280-DUP1	Duplicate	03/04/21
BC10280-MS1	Matrix Spike	03/04/21
BC10280-PS1	Post Spike	03/04/21
BC10280-SRM1	Reference	03/04/21

Batch ID: BC10282 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/04/21
21C0167-02	SB12_0.5-2	03/04/21
21C0167-03	SB12_8-10	03/04/21
BC10282-BLK1	Blank	03/04/21
BC10282-BS1	LCS	03/04/21
BC10282-MS1	Matrix Spike	03/04/21
BC10282-MSD1	Matrix Spike Dup	03/04/21

Batch ID: BC10288 **Preparation Method:** EPA 5030B **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/04/21
21C0167-07	TB01_030321	03/04/21
BC10288-BLK1	Blank	03/04/21
BC10288-BS1	LCS	03/04/21
BC10288-BSD1	LCS Dup	03/04/21

Batch ID: BC10301 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/04/21
21C0167-02	SB12_0.5-2	03/04/21
21C0167-03	SB12_8-10	03/04/21
BC10301-BLK1	Blank	03/04/21
BC10301-DUP1	Duplicate	03/04/21
BC10301-MS1	Matrix Spike	03/04/21
BC10301-SRM1	Reference	03/04/21

Batch ID: BC10303 **Preparation Method:** EPA 7473 water **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/04/21
BC10303-BLK1	Blank	03/04/21
BC10303-BS1	LCS	03/04/21
BC10303-DUP1	Duplicate	03/04/21



BC10303-MS1

Matrix Spike

03/04/21

Batch ID: BC10316**Preparation Method:** EPA 3550C**Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/05/21
21C0167-02	SB12_0.5-2	03/05/21
21C0167-03	SB12_8-10	03/05/21
BC10316-BLK1	Blank	03/05/21
BC10316-BS1	LCS	03/05/21
BC10316-MS1	Matrix Spike	03/05/21
BC10316-MSD1	Matrix Spike Dup	03/05/21

Batch ID: BC10319**Preparation Method:** EPA 3535A**Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/05/21
BC10319-BLK1	Blank	03/05/21
BC10319-BS1	LCS	03/05/21
BC10319-MS1	Matrix Spike	03/05/21
BC10319-MSD1	Matrix Spike Dup	03/05/21

Batch ID: BC10327**Preparation Method:** Analysis Preparation Soil**Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/05/21
21C0167-02	SB12_0.5-2	03/05/21
21C0167-03	SB12_8-10	03/05/21
BC10327-BLK1	Blank	03/05/21
BC10327-DUP1	Duplicate	03/05/21
BC10327-MS1	Matrix Spike	03/05/21
BC10327-SRM1	Reference	03/05/21

Batch ID: BC10333**Preparation Method:** EPA 3015A**Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/05/21
BC10333-BLK1	Blank	03/05/21
BC10333-BS1	LCS	03/05/21
BC10333-DUP1	Duplicate	03/05/21
BC10333-MS1	Matrix Spike	03/05/21

Batch ID: BC10334**Preparation Method:** EPA 3015A**Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/05/21
BC10334-BLK1	Blank	03/05/21
BC10334-BS1	LCS	03/05/21



BC10334-DUP1	Duplicate	03/05/21
BC10334-MS1	Matrix Spike	03/05/21
BC10334-PS1	Post Spike	03/05/21

Batch ID: BC10337 **Preparation Method:** EPA 5035A **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/05/21
21C0167-02	SB12_0.5-2	03/05/21
21C0167-03	SB12_8-10	03/05/21
21C0167-04	SB12_18-20	03/05/21
BC10337-BLK1	Blank	03/05/21
BC10337-BLK2	Blank	03/05/21
BC10337-BLK3	Blank	03/05/21
BC10337-BS1	LCS	03/05/21
BC10337-BSD1	LCS Dup	03/05/21

Batch ID: BC10358 **Preparation Method:** % Solids Prep **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/05/21
BC10358-DUP1	Duplicate	03/05/21

Batch ID: BC10359 **Preparation Method:** % Solids Prep **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-02	SB12_0.5-2	03/05/21
21C0167-03	SB12_8-10	03/05/21
BC10359-DUP1	Duplicate	03/05/21

Batch ID: BC10364 **Preparation Method:** EPA 3550C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/05/21
21C0167-01	SB12_0-0.5	03/05/21
21C0167-02	SB12_0.5-2	03/05/21
21C0167-02	SB12_0.5-2	03/05/21
21C0167-03	SB12_8-10	03/05/21
21C0167-03	SB12_8-10	03/05/21
BC10364-BLK1	Blank	03/05/21
BC10364-BLK2	Blank	03/05/21
BC10364-BS1	LCS	03/05/21
BC10364-BS2	LCS	03/05/21
BC10364-MS1	Matrix Spike	03/05/21
BC10364-MSD1	Matrix Spike Dup	03/05/21

Batch ID: BC10371 **Preparation Method:** Analysis Preparation **Prepared By:** MAO



YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/05/21
BC10371-BLK1	Blank	03/05/21
BC10371-BS1	LCS	03/05/21
BC10371-DUP1	Duplicate	03/05/21
BC10371-MS1	Matrix Spike	03/05/21

Batch ID: BC10398 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/06/21
21C0167-02	SB12_0.5-2	03/06/21
21C0167-03	SB12_8-10	03/06/21
BC10398-BLK1	Blank	03/06/21
BC10398-BS1	LCS	03/06/21
BC10398-BSD1	LCS Dup	03/06/21
BC10398-MS1	Matrix Spike	03/06/21

Batch ID: BC10474 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-06	EC_FB02_030321	03/08/21
BC10474-BLK1	Blank	03/08/21
BC10474-BS1	LCS	03/08/21
BC10474-BSD1	LCS Dup	03/08/21
BC10474-MS1	Matrix Spike	03/08/21
BC10474-MS2	Matrix Spike	03/08/21

Batch ID: BC10494 **Preparation Method:** EPA 3510C **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/09/21
BC10494-BLK1	Blank	03/09/21
BC10494-BLK2	Blank	03/09/21
BC10494-BS1	LCS	03/09/21
BC10494-BS2	LCS	03/09/21
BC10494-BSD1	LCS Dup	03/09/21

Batch ID: BC10570 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/10/21
BC10570-BLK1	Blank	03/10/21
BC10570-BS1	LCS	03/10/21
BC10570-BSD1	LCS Dup	03/10/21

Batch ID: BC10619 **Preparation Method:** Analysis Preparation **Prepared By:** MAO



YORK Sample ID	Client Sample ID	Preparation Date
21C0167-01	SB12_0-0.5	03/10/21
21C0167-02	SB12_0.5-2	03/10/21
21C0167-03	SB12_8-10	03/10/21

Batch ID: BC10620 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-05	SO_FB01_030321	03/10/21

Batch ID: BC10913 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-04	SB12_18-20	03/16/21
BC10913-DUP1	Duplicate	03/16/21

Batch ID: BC11055 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-04	SB12_18-20	03/17/21
BC11055-BLK1	Blank	03/17/21
BC11055-DUP1	Duplicate	03/17/21
BC11055-MS1	Matrix Spike	03/17/21
BC11055-PS1	Post Spike	03/17/21
BC11055-SRM1	Reference	03/17/21

Batch ID: BC11120 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0167-04	SB12_18-20	03/18/21
BC11120-BLK1	Blank	03/18/21
BC11120-DUP1	Duplicate	03/18/21
BC11120-MS1	Matrix Spike	03/18/21
BC11120-SRM1	Reference	03/18/21



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 BC10288 - EPA 5030B											
Blank (BC10288-BLK1)	Blank										Prepared & Analyzed: 03/04/2021
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.280	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BC10288 - EPA 5030B

Blank (BC10288-BLK1)	Blank		Prepared & Analyzed: 03/04/2021								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.45		"	10.0		94.5	69-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.56		"	10.0		95.6	81-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.81		"	10.0		98.1	79-122				

LCS (BC10288-BS1)	LCS		Prepared & Analyzed: 03/04/2021								
1,1,1,2-Tetrachloroethane	9.48		ug/L	10.0		94.8	82-126				
1,1,1-Trichloroethane	9.86		"	10.0		98.6	78-136				
1,1,2,2-Tetrachloroethane	8.80		"	10.0		88.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0		"	10.0		120	54-165				
1,1,2-Trichloroethane	9.28		"	10.0		92.8	82-123				
1,1-Dichloroethane	9.59		"	10.0		95.9	82-129				
1,1-Dichloroethylene	9.65		"	10.0		96.5	68-138				
1,2,3-Trichlorobenzene	8.63		"	10.0		86.3	76-136				
1,2,3-Trichloropropane	8.92		"	10.0		89.2	77-128				
1,2,4-Trichlorobenzene	9.50		"	10.0		95.0	76-137				
1,2,4-Trimethylbenzene	9.34		"	10.0		93.4	82-132				
1,2-Dibromo-3-chloropropane	8.18		"	10.0		81.8	45-147				
1,2-Dibromoethane	9.44		"	10.0		94.4	83-124				
1,2-Dichlorobenzene	9.19		"	10.0		91.9	79-123				
1,2-Dichloroethane	10.0		"	10.0		100	73-132				
1,2-Dichloropropane	9.35		"	10.0		93.5	78-126				
1,3,5-Trimethylbenzene	9.41		"	10.0		94.1	80-131				
1,3-Dichlorobenzene	9.03		"	10.0		90.3	86-122				
1,4-Dichlorobenzene	9.05		"	10.0		90.5	85-124				
1,4-Dioxane	193		"	210		92.1	10-349				
2-Butanone	8.15		"	10.0		81.5	49-152				
2-Hexanone	8.63		"	10.0		86.3	51-146				
4-Methyl-2-pentanone	8.89		"	10.0		88.9	57-145				
Acetone	12.4		"	10.0		124	14-150				
Acrolein	14.3		"	10.0		143	10-153				
Acrylonitrile	11.0		"	10.0		110	51-150				
Benzene	10.3		"	10.0		103	85-126				
Bromochloromethane	9.74		"	10.0		97.4	77-128				
Bromodichloromethane	9.09		"	10.0		90.9	79-128				



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 BC10288 - EPA 5030B

LCS (BC10288-BS1)	LCS	Prepared & Analyzed: 03/04/2021									
Bromoform	8.99		ug/L	10.0		89.9	78-133				
Bromomethane	6.82		"	10.0		68.2	43-168				
Carbon disulfide	9.99		"	10.0		99.9	68-146				
Carbon tetrachloride	10.0		"	10.0		100	77-141				
Chlorobenzene	9.66		"	10.0		96.6	88-120				
Chloroethane	10.1		"	10.0		101	65-136				
Chloroform	10.1		"	10.0		101	82-128				
Chloromethane	11.4		"	10.0		114	43-155				
cis-1,2-Dichloroethylene	10.0		"	10.0		100	83-129				
cis-1,3-Dichloropropylene	8.62		"	10.0		86.2	80-131				
Cyclohexane	9.30		"	10.0		93.0	63-149				
Dibromochloromethane	9.20		"	10.0		92.0	80-130				
Dibromomethane	9.05		"	10.0		90.5	72-134				
Dichlorodifluoromethane	10.1		"	10.0		101	44-144				
Ethyl Benzene	9.92		"	10.0		99.2	80-131				
Hexachlorobutadiene	10.6		"	10.0		106	67-146				
Isopropylbenzene	9.18		"	10.0		91.8	76-140				
Methyl acetate	9.23		"	10.0		92.3	51-139				
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135				
Methylcyclohexane	11.1		"	10.0		111	72-143				
Methylene chloride	9.73		"	10.0		97.3	55-137				
n-Butylbenzene	9.18		"	10.0		91.8	79-132				
n-Propylbenzene	9.31		"	10.0		93.1	78-133				
o-Xylene	9.72		"	10.0		97.2	78-130				
p- & m- Xylenes	20.6		"	20.0		103	77-133				
p-Isopropyltoluene	9.65		"	10.0		96.5	81-136				
sec-Butylbenzene	9.94		"	10.0		99.4	79-137				
Styrene	9.75		"	10.0		97.5	67-132				
tert-Butyl alcohol (TBA)	43.6		"	50.0		87.3	25-162				
tert-Butylbenzene	7.83		"	10.0		78.3	77-138				
Tetrachloroethylene	9.56		"	10.0		95.6	82-131				
Toluene	9.50		"	10.0		95.0	80-127				
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	8.62		"	10.0		86.2	78-131				
Trichloroethylene	9.35		"	10.0		93.5	82-128				
Trichlorofluoromethane	11.0		"	10.0		110	67-139				
Vinyl Chloride	9.88		"	10.0		98.8	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	9.50		"	10.0		95.0	69-130				
Surrogate: SURR: Toluene-d8	9.50		"	10.0		95.0	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.36		"	10.0		93.6	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 BC10288 - EPA 5030B											
LCS Dup (BC10288-BSD1)	LCS Dup			Prepared & Analyzed: 03/04/2021							
1,1,1,2-Tetrachloroethane	9.24		ug/L	10.0		92.4	82-126		2.56	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		1.51	30	
1,1,2,2-Tetrachloroethane	8.69		"	10.0		86.9	76-129		1.26	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.7		"	10.0		127	54-165		6.09	30	
1,1,2-Trichloroethane	8.78		"	10.0		87.8	82-123		5.54	30	
1,1-Dichloroethane	9.69		"	10.0		96.9	82-129		1.04	30	
1,1-Dichloroethylene	10.7		"	10.0		107	68-138		10.6	30	
1,2,3-Trichlorobenzene	8.69		"	10.0		86.9	76-136		0.693	30	
1,2,3-Trichloropropane	8.66		"	10.0		86.6	77-128		2.96	30	
1,2,4-Trichlorobenzene	9.43		"	10.0		94.3	76-137		0.740	30	
1,2,4-Trimethylbenzene	9.55		"	10.0		95.5	82-132		2.22	30	
1,2-Dibromo-3-chloropropane	8.03		"	10.0		80.3	45-147		1.85	30	
1,2-Dibromoethane	9.11		"	10.0		91.1	83-124		3.56	30	
1,2-Dichlorobenzene	9.11		"	10.0		91.1	79-123		0.874	30	
1,2-Dichloroethane	9.54		"	10.0		95.4	73-132		5.01	30	
1,2-Dichloropropane	9.30		"	10.0		93.0	78-126		0.536	30	
1,3,5-Trimethylbenzene	9.71		"	10.0		97.1	80-131		3.14	30	
1,3-Dichlorobenzene	9.12		"	10.0		91.2	86-122		0.992	30	
1,4-Dichlorobenzene	9.03		"	10.0		90.3	85-124		0.221	30	
1,4-Dioxane	184		"	210		87.8	10-349		4.84	30	
2-Butanone	7.32		"	10.0		73.2	49-152		10.7	30	
2-Hexanone	8.28		"	10.0		82.8	51-146		4.14	30	
4-Methyl-2-pentanone	8.47		"	10.0		84.7	57-145		4.84	30	
Acetone	11.6		"	10.0		116	14-150		7.16	30	
Acrolein	13.8		"	10.0		138	10-153		3.64	30	
Acrylonitrile	10.3		"	10.0		103	51-150		6.46	30	
Benzene	10.3		"	10.0		103	85-126		0.583	30	
Bromochloromethane	9.63		"	10.0		96.3	77-128		1.14	30	
Bromodichloromethane	8.88		"	10.0		88.8	79-128		2.34	30	
Bromoform	8.89		"	10.0		88.9	78-133		1.12	30	
Bromomethane	8.41		"	10.0		84.1	43-168		20.9	30	
Carbon disulfide	11.2		"	10.0		112	68-146		11.1	30	
Carbon tetrachloride	10.1		"	10.0		101	77-141		0.596	30	
Chlorobenzene	9.51		"	10.0		95.1	88-120		1.56	30	
Chloroethane	11.8		"	10.0		118	65-136		15.5	30	
Chloroform	9.86		"	10.0		98.6	82-128		2.60	30	
Chloromethane	14.4		"	10.0		144	43-155		23.0	30	
cis-1,2-Dichloroethylene	9.90		"	10.0		99.0	83-129		1.40	30	
cis-1,3-Dichloropropylene	8.49		"	10.0		84.9	80-131		1.52	30	
Cyclohexane	9.80		"	10.0		98.0	63-149		5.24	30	
Dibromochloromethane	8.95		"	10.0		89.5	80-130		2.75	30	
Dibromomethane	8.74		"	10.0		87.4	72-134		3.49	30	
Dichlorodifluoromethane	16.7		"	10.0		167	44-144	High Bias	49.3	30	Non-dir.
Ethyl Benzene	9.99		"	10.0		99.9	80-131		0.703	30	
Hexachlorobutadiene	10.5		"	10.0		105	67-146		0.757	30	
Isopropylbenzene	9.31		"	10.0		93.1	76-140		1.41	30	
Methyl acetate	8.96		"	10.0		89.6	51-139		2.97	30	
Methyl tert-butyl ether (MTBE)	10.0		"	10.0		100	76-135		3.33	30	
Methylcyclohexane	11.4		"	10.0		114	72-143		3.02	30	
Methylene chloride	9.73		"	10.0		97.3	55-137		0.00	30	
n-Butylbenzene	9.47		"	10.0		94.7	79-132		3.11	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

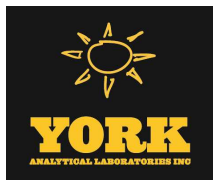
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC10288 - EPA 5030B

LCS Dup (BC10288-BSD1)	LCS Dup	Prepared & Analyzed: 03/04/2021									
n-Propylbenzene	9.55		ug/L	10.0		95.5	78-133		2.55	30	
o-Xylene	9.59		"	10.0		95.9	78-130		1.35	30	
p- & m- Xylenes	20.2		"	20.0		101	77-133		1.57	30	
p-Isopropyltoluene	9.94		"	10.0		99.4	81-136		2.96	30	
sec-Butylbenzene	10.1		"	10.0		101	79-137		1.30	30	
Styrene	9.55		"	10.0		95.5	67-132		2.07	30	
tert-Butyl alcohol (TBA)	41.5		"	50.0		82.9	25-162		5.10	30	
tert-Butylbenzene	8.07		"	10.0		80.7	77-138		3.02	30	
Tetrachloroethylene	9.50		"	10.0		95.0	82-131		0.630	30	
Toluene	9.54		"	10.0		95.4	80-127		0.420	30	
trans-1,2-Dichloroethylene	10.4		"	10.0		104	80-132		2.03	30	
trans-1,3-Dichloropropylene	8.35		"	10.0		83.5	78-131		3.18	30	
Trichloroethylene	9.40		"	10.0		94.0	82-128		0.533	30	
Trichlorofluoromethane	12.5		"	10.0		125	67-139		12.2	30	
Vinyl Chloride	12.6		"	10.0		126	58-145		24.4	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.30		"	10.0		93.0	69-130				
Surrogate: SURR: Toluene-d8	9.53		"	10.0		95.3	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.56		"	10.0		95.6	79-122				

Batch BC10337 - EPA 5035A

Blank (BC10337-BLK1)	Blank	Prepared & Analyzed: 03/05/2021									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0065	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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 BC10337 - EPA 5035A

Blank (BC10337-BLK1)	Blank		Prepared & Analyzed: 03/05/2021								
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	46.6		ug/L	50.0		93.2	77-125				
Surrogate: SURRE: Toluene-d8	54.8		"	50.0		110	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	54.8		"	50.0		110	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10337 - EPA 5035A

Blank (BC10337-BLK2)		HOLDING BLANK-21C0175				Prepared & Analyzed: 03/05/2021					
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0058	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10337 - EPA 5035A

Blank (BC10337-BLK2)		HOLDING BLANK-21C0175						Prepared & Analyzed: 03/05/2021			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.5		ug/L	50.0		97.0	77-125				
Surrogate: SURR: Toluene-d8	55.1		"	50.0		110	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.9		"	50.0		110	76-130				

Blank (BC10337-BLK3)		HOLDING BLANK-210167						Prepared & Analyzed: 03/05/2021			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0055	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BC10337 - EPA 5035A

Blank (BC10337-BLK3)		HOLDING BLANK-210167				Prepared & Analyzed: 03/05/2021					
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	47.8		ug/L	50.0		95.6	77-125				
Surrogate: SURR: Toluene-d8	54.5		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.2		"	50.0		108	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10337 - EPA 5035A											
LCS (BC10337-BS1)	LCS		Prepared & Analyzed: 03/05/2021								
1,1,1,2-Tetrachloroethane	42.0		ug/L	50.0		84.0	75-129				
1,1,1-Trichloroethane	41.6		"	50.0		83.2	71-137				
1,1,2,2-Tetrachloroethane	46.9		"	50.0		93.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.6		"	50.0		97.2	58-146				
1,1,2-Trichloroethane	42.9		"	50.0		85.7	83-123				
1,1-Dichloroethane	36.6		"	50.0		73.1	75-130	Low Bias			
1,1-Dichloroethylene	39.7		"	50.0		79.3	64-137				
1,2,3-Trichlorobenzene	44.7		"	50.0		89.5	81-140				
1,2,3-Trichloropropane	47.1		"	50.0		94.2	81-126				
1,2,4-Trichlorobenzene	47.2		"	50.0		94.4	80-141				
1,2,4-Trimethylbenzene	49.1		"	50.0		98.3	84-125				
1,2-Dibromo-3-chloropropane	48.0		"	50.0		95.9	74-142				
1,2-Dibromoethane	43.9		"	50.0		87.8	86-123				
1,2-Dichlorobenzene	45.4		"	50.0		90.8	85-122				
1,2-Dichloroethane	35.0		"	50.0		70.1	71-133	Low Bias			
1,2-Dichloropropane	39.9		"	50.0		79.8	81-122	Low Bias			
1,3,5-Trimethylbenzene	49.5		"	50.0		98.9	82-126				
1,3-Dichlorobenzene	46.2		"	50.0		92.5	84-124				
1,4-Dichlorobenzene	45.6		"	50.0		91.3	84-124				
1,4-Dioxane	1040		"	1050		99.1	10-228				
2-Butanone	39.2		"	50.0		78.4	58-147				
2-Hexanone	40.1		"	50.0		80.2	70-139				
4-Methyl-2-pentanone	38.4		"	50.0		76.7	72-132				
Acetone	28.8		"	50.0		57.7	36-155				
Acrolein	50.1		"	50.0		100	10-238				
Acrylonitrile	37.6		"	50.0		75.2	66-141				
Benzene	41.3		"	50.0		82.5	77-127				
Bromochloromethane	34.8		"	50.0		69.6	74-129	Low Bias			
Bromodichloromethane	42.0		"	50.0		84.0	81-124				
Bromoform	40.5		"	50.0		81.1	80-136				
Bromomethane	48.4		"	50.0		96.9	32-177				
Carbon disulfide	44.2		"	50.0		88.5	10-136				
Carbon tetrachloride	41.9		"	50.0		83.8	66-143				
Chlorobenzene	43.7		"	50.0		87.4	86-120				
Chloroethane	44.8		"	50.0		89.6	51-142				
Chloroform	38.2		"	50.0		76.5	76-131				
Chloromethane	47.5		"	50.0		94.9	49-132				
cis-1,2-Dichloroethylene	37.5		"	50.0		75.0	74-132				
cis-1,3-Dichloropropylene	43.6		"	50.0		87.2	81-129				
Cyclohexane	39.0		"	50.0		78.1	70-130				
Dibromochloromethane	43.3		"	50.0		86.5	10-200				
Dibromomethane	42.2		"	50.0		84.3	83-124				
Dichlorodifluoromethane	51.8		"	50.0		104	28-158				
Ethyl Benzene	44.9		"	50.0		89.8	84-125				
Hexachlorobutadiene	47.6		"	50.0		95.1	83-133				
Isopropylbenzene	49.5		"	50.0		98.9	81-127				
Methyl acetate	33.8		"	50.0		67.5	41-143				
Methyl tert-butyl ether (MTBE)	36.6		"	50.0		73.3	74-131	Low Bias			
Methylcyclohexane	47.2		"	50.0		94.4	70-130				
Methylene chloride	35.9		"	50.0		71.7	57-141				
n-Butylbenzene	48.2		"	50.0		96.4	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10337 - EPA 5035A											
LCS (BC10337-BS1)	LCS		Prepared & Analyzed: 03/05/2021								
n-Propylbenzene	48.6		ug/L	50.0		97.2	74-136				
o-Xylene	43.0		"	50.0		86.0	83-123				
p- & m- Xylenes	90.4		"	100		90.4	82-128				
p-Isopropyltoluene	51.6		"	50.0		103	85-125				
sec-Butylbenzene	53.3		"	50.0		107	83-125				
Styrene	44.2		"	50.0		88.4	86-126				
tert-Butyl alcohol (TBA)	229		"	250		91.4	70-130				
tert-Butylbenzene	43.9		"	50.0		87.8	80-127				
Tetrachloroethylene	39.8		"	50.0		79.5	80-129	Low Bias			
Toluene	43.1		"	50.0		86.1	85-121				
trans-1,2-Dichloroethylene	40.5		"	50.0		81.0	72-132				
trans-1,3-Dichloropropylene	43.1		"	50.0		86.3	78-132				
Trichloroethylene	46.9		"	50.0		93.8	84-123				
Trichlorofluoromethane	46.8		"	50.0		93.6	62-140				
Vinyl Chloride	52.1		"	50.0		104	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.2		"	50.0		92.3	77-125				
Surrogate: SURR: Toluene-d8	55.1		"	50.0		110	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.9		"	50.0		102	76-130				
LCS Dup (BC10337-BS1)	LCS Dup		Prepared & Analyzed: 03/05/2021								
1,1,1,2-Tetrachloroethane	52.2		ug/L	50.0		104	75-129		21.6	30	
1,1,1-Trichloroethane	51.8		"	50.0		104	71-137		21.9	30	
1,1,2,2-Tetrachloroethane	54.5		"	50.0		109	79-129		14.8	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60.0		"	50.0		120	58-146		20.9	30	
1,1,2-Trichloroethane	52.3		"	50.0		105	83-123		19.8	30	
1,1-Dichloroethane	44.8		"	50.0		89.7	75-130		20.4	30	
1,1-Dichloroethylene	48.5		"	50.0		97.1	64-137		20.1	30	
1,2,3-Trichlorobenzene	55.7		"	50.0		111	81-140		21.9	30	
1,2,3-Trichloropropane	55.2		"	50.0		110	81-126		15.8	30	
1,2,4-Trichlorobenzene	59.2		"	50.0		118	80-141		22.5	30	
1,2,4-Trimethylbenzene	59.3		"	50.0		119	84-125		18.7	30	
1,2-Dibromo-3-chloropropane	54.3		"	50.0		109	74-142		12.4	30	
1,2-Dibromoethane	53.4		"	50.0		107	86-123		19.4	30	
1,2-Dichlorobenzene	57.1		"	50.0		114	85-122		22.8	30	
1,2-Dichloroethane	43.2		"	50.0		86.4	71-133		20.8	30	
1,2-Dichloropropane	48.3		"	50.0		96.5	81-122		19.0	30	
1,3,5-Trimethylbenzene	60.3		"	50.0		121	82-126		19.7	30	
1,3-Dichlorobenzene	57.1		"	50.0		114	84-124		21.0	30	
1,4-Dichlorobenzene	56.0		"	50.0		112	84-124		20.4	30	
1,4-Dioxane	1230		"	1050		117	10-228		16.7	30	
2-Butanone	45.4		"	50.0		90.8	58-147		14.6	30	
2-Hexanone	46.3		"	50.0		92.5	70-139		14.3	30	
4-Methyl-2-pentanone	44.2		"	50.0		88.4	72-132		14.1	30	
Acetone	32.0		"	50.0		63.9	36-155		10.3	30	
Acrolein	60.2		"	50.0		120	10-238		18.3	30	
Acrylonitrile	44.2		"	50.0		88.4	66-141		16.1	30	
Benzene	51.5		"	50.0		103	77-127		22.2	30	
Bromochloromethane	42.4		"	50.0		84.9	74-129		19.8	30	
Bromodichloromethane	51.0		"	50.0		102	81-124		19.5	30	
Bromoform	50.3		"	50.0		101	80-136		21.4	30	
Bromomethane	56.9		"	50.0		114	32-177		16.1	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10337 - EPA 5035A											
LCS Dup (BC10337-BSD1)	LCS Dup		Prepared & Analyzed: 03/05/2021								
Carbon disulfide	54.4		ug/L	50.0		109	10-136		20.5	30	
Carbon tetrachloride	53.8		"	50.0		108	66-143		24.7	30	
Chlorobenzene	53.8		"	50.0		108	86-120		20.7	30	
Chloroethane	51.8		"	50.0		104	51-142		14.5	30	
Chloroform	46.9		"	50.0		93.8	76-131		20.3	30	
Chloromethane	57.4		"	50.0		115	49-132		19.0	30	
cis-1,2-Dichloroethylene	46.2		"	50.0		92.4	74-132		20.8	30	
cis-1,3-Dichloropropylene	52.2		"	50.0		104	81-129		18.0	30	
Cyclohexane	48.4		"	50.0		96.8	70-130		21.5	30	
Dibromochloromethane	54.2		"	50.0		108	10-200		22.4	30	
Dibromomethane	50.6		"	50.0		101	83-124		18.1	30	
Dichlorodifluoromethane	63.8		"	50.0		128	28-158		20.8	30	
Ethyl Benzene	54.8		"	50.0		110	84-125		19.8	30	
Hexachlorobutadiene	60.2		"	50.0		120	83-133		23.5	30	
Isopropylbenzene	59.3		"	50.0		119	81-127		18.0	30	
Methyl acetate	40.4		"	50.0		80.7	41-143		17.8	30	
Methyl tert-butyl ether (MTBE)	45.4		"	50.0		90.8	74-131		21.4	30	
Methylcyclohexane	57.8		"	50.0		116	70-130		20.2	30	
Methylene chloride	44.2		"	50.0		88.3	57-141		20.7	30	
n-Butylbenzene	58.0		"	50.0		116	80-130		18.4	30	
n-Propylbenzene	57.6		"	50.0		115	74-136		16.9	30	
o-Xylene	52.8		"	50.0		106	83-123		20.4	30	
p- & m- Xylenes	111		"	100		111	82-128		20.1	30	
p-Isopropyltoluene	62.8		"	50.0		126	85-125	High Bias	19.6	30	
sec-Butylbenzene	64.0		"	50.0		128	83-125	High Bias	18.2	30	
Styrene	55.4		"	50.0		111	86-126		22.5	30	
tert-Butyl alcohol (TBA)	265		"	250		106	70-130		14.6	30	
tert-Butylbenzene	53.0		"	50.0		106	80-127		18.8	30	
Tetrachloroethylene	50.3		"	50.0		101	80-129		23.4	30	
Toluene	52.8		"	50.0		106	85-121		20.4	30	
trans-1,2-Dichloroethylene	49.6		"	50.0		99.1	72-132		20.1	30	
trans-1,3-Dichloropropylene	52.8		"	50.0		106	78-132		20.2	30	
Trichloroethylene	56.8		"	50.0		114	84-123		19.1	30	
Trichlorofluoromethane	57.0		"	50.0		114	62-140		19.6	30	
Vinyl Chloride	62.3		"	50.0		125	52-130		17.7	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	45.3		"	50.0		90.6	77-125				
Surrogate: SURR: Toluene-d8	54.6		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.0	76-130				



Semivolatile 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 BC10276 - EPA 3546 SVOA

Blank (BC10276-BLK1)	Blank	Prepared: 03/04/2021 Analyzed: 03/05/2021									
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	0.0252	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								



Semivolatile 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 BC10276 - EPA 3546 SVOA

Blank (BC10276-BLK1)	Blank		Prepared: 03/04/2021 Analyzed: 03/05/2021								
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.24		"	1.66		74.9	20-108				
Surrogate: SURR: Phenol-d5	1.22		"	1.66		73.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.699		"	0.831		84.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.676		"	0.831		81.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.44		"	1.66		86.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.845		"	0.831		102	24-116				



Semivolatile 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 BC10276 - EPA 3546 SVOA											
LCS (BC10276-BS1)	LCS	Prepared: 03/04/2021 Analyzed: 03/05/2021									
1,1-Biphenyl	0.508	0.0416	mg/kg wet	0.831		61.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.507	0.0830	"	0.831		61.1	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.573	0.0416	"	0.831		69.0	17-137				
2,3,4,6-Tetrachlorophenol	0.618	0.0830	"	0.831		74.4	30-130				
2,4,5-Trichlorophenol	0.497	0.0416	"	0.831		59.8	27-118				
2,4,6-Trichlorophenol	0.493	0.0416	"	0.831		59.3	31-120				
2,4-Dichlorophenol	0.526	0.0416	"	0.831		63.4	20-127				
2,4-Dimethylphenol	0.508	0.0416	"	0.831		61.1	14-132				
2,4-Dinitrophenol	ND	0.0830	"	0.831			10-171	Low Bias			
2,4-Dinitrotoluene	0.537	0.0416	"	0.831		64.6	34-131				
2,6-Dinitrotoluene	0.538	0.0416	"	0.831		64.7	31-128				
2-Chloronaphthalene	0.478	0.0416	"	0.831		57.5	31-117				
2-Chlorophenol	0.455	0.0416	"	0.831		54.8	33-113				
2-Methylnaphthalene	0.521	0.0416	"	0.831		62.7	12-138				
2-Methylphenol	0.456	0.0416	"	0.831		54.9	10-136				
2-Nitroaniline	0.506	0.0830	"	0.831		60.9	27-132				
2-Nitrophenol	0.486	0.0416	"	0.831		58.6	17-129				
3- & 4-Methylphenols	0.430	0.0416	"	0.831		51.8	29-103				
3,3-Dichlorobenzidine	0.304	0.0416	"	0.831		36.6	22-149				
3-Nitroaniline	0.353	0.0830	"	0.831		42.5	20-133				
4,6-Dinitro-2-methylphenol	0.317	0.0830	"	0.831		38.2	10-143				
4-Bromophenyl phenyl ether	0.586	0.0416	"	0.831		70.6	29-120				
4-Chloro-3-methylphenol	0.529	0.0416	"	0.831		63.6	24-129				
4-Chloroaniline	0.156	0.0416	"	0.831		18.8	10-132				
4-Chlorophenyl phenyl ether	0.494	0.0416	"	0.831		59.4	27-124				
4-Nitroaniline	0.497	0.0830	"	0.831		59.8	16-128				
4-Nitrophenol	0.606	0.0830	"	0.831		72.9	10-141				
Acenaphthene	0.510	0.0416	"	0.831		61.4	30-121				
Acenaphthylene	0.500	0.0416	"	0.831		60.2	30-115				
Acetophenone	0.474	0.0416	"	0.831		57.1	20-112				
Aniline	0.258	0.166	"	0.831		31.1	10-119				
Anthracene	0.529	0.0416	"	0.831		63.7	34-118				
Atrazine	0.632	0.0416	"	0.831		76.0	26-112				
Benzaldehyde	0.474	0.0416	"	0.831		57.1	21-100				
Benzo(a)anthracene	0.562	0.0416	"	0.831		67.6	32-122				
Benzo(a)pyrene	0.516	0.0416	"	0.831		62.1	29-133				
Benzo(b)fluoranthene	0.545	0.0416	"	0.831		65.6	25-133				
Benzo(g,h,i)perylene	0.670	0.0416	"	0.831		80.7	10-143				
Benzo(k)fluoranthene	0.515	0.0416	"	0.831		62.0	25-128				
Benzoic acid	0.152	0.0416	"	0.831		18.4	10-140				
Benzyl alcohol	0.519	0.0416	"	0.831		62.5	30-115				
Benzyl butyl phthalate	0.551	0.0416	"	0.831		66.4	26-126				
Bis(2-chloroethoxy)methane	0.492	0.0416	"	0.831		59.2	19-132				
Bis(2-chloroethyl)ether	0.214	0.0416	"	0.831		25.8	19-125				
Bis(2-chloroisopropyl)ether	0.561	0.0416	"	0.831		67.6	20-135				
Bis(2-ethylhexyl)phthalate	0.567	0.0416	"	0.831		68.2	10-155				
Caprolactam	0.485	0.0830	"	0.831		58.4	10-127				
Carbazole	0.555	0.0416	"	0.831		66.8	35-123				
Chrysene	0.571	0.0416	"	0.831		68.7	32-123				
Dibenzo(a,h)anthracene	0.617	0.0416	"	0.831		74.2	10-136				
Dibenzofuran	0.489	0.0416	"	0.831		58.9	29-121				



Semivolatile 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 BC10276 - EPA 3546 SVOA

LCS (BC10276-BS1)	LCS	Prepared: 03/04/2021 Analyzed: 03/05/2021									
Diethyl phthalate	0.514	0.0416	mg/kg wet	0.831		61.8	34-116				
Dimethyl phthalate	0.480	0.0416	"	0.831		57.8	35-124				
Di-n-butyl phthalate	0.564	0.0416	"	0.831		67.9	31-116				
Di-n-octyl phthalate	0.570	0.0416	"	0.831		68.7	26-136				
Diphenylamine	0.655	0.0830	"	0.831		78.9	40-140				
Fluoranthene	0.561	0.0416	"	0.831		67.6	33-122				
Fluorene	0.494	0.0416	"	0.831		59.4	29-123				
Hexachlorobenzene	0.544	0.0416	"	0.831		65.5	21-124				
Hexachlorobutadiene	0.517	0.0416	"	0.831		62.3	10-149				
Hexachlorocyclopentadiene	0.347	0.0416	"	0.831		41.8	10-129				
Hexachloroethane	0.444	0.0416	"	0.831		53.5	28-108				
Indeno(1,2,3-cd)pyrene	0.637	0.0416	"	0.831		76.6	10-135				
Isophorone	0.516	0.0416	"	0.831		62.1	20-132				
Naphthalene	0.479	0.0416	"	0.831		57.6	23-124				
Nitrobenzene	0.516	0.0416	"	0.831		62.1	13-132				
N-Nitrosodimethylamine	0.466	0.0416	"	0.831		56.2	11-129				
N-nitroso-di-n-propylamine	0.484	0.0416	"	0.831		58.3	24-119				
N-Nitrosodiphenylamine	0.709	0.0416	"	0.831		85.3	22-152				
Pentachlorophenol	0.435	0.0416	"	0.831		52.4	10-139				
Phenanthrene	0.525	0.0416	"	0.831		63.2	33-123				
Phenol	0.466	0.0416	"	0.831		56.2	23-115				
Pyrene	0.543	0.0416	"	0.831		65.4	24-130				
Pyridine	0.281	0.166	"	0.831		33.8	10-91				
Surrogate: SURR: 2-Fluorophenol	1.04		"	1.66		62.8	20-108				
Surrogate: SURR: Phenol-d5	1.04		"	1.66		62.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.607		"	0.831		73.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.573		"	0.831		69.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.60		"	1.66		96.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.724		"	0.831		87.2	24-116				



Semivolatile 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 BC10276 - EPA 3546 SVOA											
Matrix Spike (BC10276-MS1)	Matrix Spike	*Source sample: 21C0162-35 (Matrix Spike)						Prepared: 03/04/2021 Analyzed: 03/05/2021			
1,1-Biphenyl	0.610	0.0920	mg/kg dry	0.919	ND	66.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.642	0.184	"	0.919	ND	69.9	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.665	0.0920	"	0.919	ND	72.4	10-144				
2,3,4,6-Tetrachlorophenol	0.825	0.184	"	0.919	ND	89.8	30-130				
2,4,5-Trichlorophenol	0.631	0.0920	"	0.919	ND	68.6	10-127				
2,4,6-Trichlorophenol	0.634	0.0920	"	0.919	ND	69.0	10-132				
2,4-Dichlorophenol	0.678	0.0920	"	0.919	ND	73.8	10-128				
2,4-Dimethylphenol	0.543	0.0920	"	0.919	ND	59.1	10-137				
2,4-Dinitrophenol	ND	0.184	"	0.919	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.447	0.0920	"	0.919	ND	48.6	16-135				
2,6-Dinitrotoluene	0.495	0.0920	"	0.919	ND	53.8	18-131				
2-Chloronaphthalene	0.604	0.0920	"	0.919	ND	65.8	10-129				
2-Chlorophenol	0.574	0.0920	"	0.919	ND	62.5	15-116				
2-Methylnaphthalene	0.702	0.0920	"	0.919	ND	76.4	10-147				
2-Methylphenol	0.540	0.0920	"	0.919	ND	58.8	10-136				
2-Nitroaniline	0.670	0.184	"	0.919	ND	72.9	10-137				
2-Nitrophenol	0.230	0.0920	"	0.919	ND	25.0	10-129				
3- & 4-Methylphenols	0.507	0.0920	"	0.919	ND	55.2	10-123				
3,3-Dichlorobenzidine	0.548	0.0920	"	0.919	ND	59.6	10-155				
3-Nitroaniline	0.692	0.184	"	0.919	ND	75.3	12-133				
4,6-Dinitro-2-methylphenol	ND	0.184	"	0.919	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.704	0.0920	"	0.919	ND	76.6	14-128				
4-Chloro-3-methylphenol	0.679	0.0920	"	0.919	ND	73.9	10-134				
4-Chloroaniline	0.470	0.0920	"	0.919	ND	51.1	10-145				
4-Chlorophenyl phenyl ether	0.601	0.0920	"	0.919	ND	65.4	14-130				
4-Nitroaniline	0.775	0.184	"	0.919	ND	84.4	10-147				
4-Nitrophenol	0.748	0.184	"	0.919	ND	81.4	10-137				
Acenaphthene	0.640	0.0920	"	0.919	ND	69.7	10-146				
Acenaphthylene	0.634	0.0920	"	0.919	ND	69.0	10-134				
Acetophenone	0.572	0.0920	"	0.919	ND	62.2	10-116				
Aniline	0.368	0.368	"	0.919	ND	40.0	10-123				
Anthracene	0.652	0.0920	"	0.919	ND	71.0	10-142				
Atrazine	0.683	0.0920	"	0.919	ND	74.3	19-115				
Benzaldehyde	0.572	0.0920	"	0.919	ND	62.2	10-125				
Benzo(a)anthracene	0.765	0.0920	"	0.919	0.0703	75.6	10-158				
Benzo(a)pyrene	0.632	0.0920	"	0.919	0.0608	62.2	10-180				
Benzo(b)fluoranthene	0.701	0.0920	"	0.919	0.0498	70.9	10-200				
Benzo(g,h,i)perylene	0.721	0.0920	"	0.919	ND	78.5	10-138				
Benzo(k)fluoranthene	0.621	0.0920	"	0.919	0.0498	62.2	10-197				
Benzoic acid	0.647	0.0920	"	0.919	ND	70.4	10-166				
Benzyl alcohol	0.701	0.0920	"	0.919	ND	76.3	12-124				
Benzyl butyl phthalate	0.723	0.0920	"	0.919	ND	78.7	10-154				
Bis(2-chloroethoxy)methane	0.634	0.0920	"	0.919	ND	69.0	10-132				
Bis(2-chloroethyl)ether	0.521	0.0920	"	0.919	ND	56.7	10-119				
Bis(2-chloroisopropyl)ether	0.734	0.0920	"	0.919	ND	79.8	10-139				
Bis(2-ethylhexyl)phthalate	0.728	0.0920	"	0.919	ND	79.2	10-167				
Caprolactam	0.564	0.184	"	0.919	ND	61.4	10-132				
Carbazole	0.669	0.0920	"	0.919	ND	72.8	10-167				
Chrysene	0.729	0.0920	"	0.919	0.0608	72.7	10-156				
Dibenzo(a,h)anthracene	0.664	0.0920	"	0.919	ND	72.2	10-137				
Dibenzofuran	0.610	0.0920	"	0.919	ND	66.4	10-147				



Semivolatile 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 BC10276 - EPA 3546 SVOA

Matrix Spike (BC10276-MS1)	Matrix Spike	*Source sample: 21C0162-35 (Matrix Spike)						Prepared: 03/04/2021 Analyzed: 03/05/2021			
Diethyl phthalate	0.598	0.0920	mg/kg dry	0.919	ND	65.1	20-120				
Dimethyl phthalate	0.555	0.0920	"	0.919	ND	60.4	18-131				
Di-n-butyl phthalate	0.665	0.0920	"	0.919	ND	72.4	10-137				
Di-n-octyl phthalate	0.719	0.0920	"	0.919	ND	78.2	10-180				
Diphenylamine	0.742	0.184	"	0.919	ND	80.8	40-140				
Fluoranthene	0.787	0.0920	"	0.919	0.124	72.2	10-160				
Fluorene	0.609	0.0920	"	0.919	ND	66.2	10-157				
Hexachlorobenzene	0.684	0.0920	"	0.919	ND	74.4	10-137				
Hexachlorobutadiene	0.676	0.0920	"	0.919	ND	73.5	10-132				
Hexachlorocyclopentadiene	ND	0.0920	"	0.919	ND		10-106	Low Bias			
Hexachloroethane	0.298	0.0920	"	0.919	ND	32.4	10-110				
Indeno(1,2,3-cd)pyrene	0.698	0.0920	"	0.919	ND	76.0	10-144				
Isophorone	0.666	0.0920	"	0.919	ND	72.5	10-132				
Naphthalene	0.624	0.0920	"	0.919	ND	67.9	10-141				
Nitrobenzene	0.640	0.0920	"	0.919	ND	69.6	10-131				
N-Nitrosodimethylamine	0.526	0.0920	"	0.919	ND	57.3	10-126				
N-nitroso-di-n-propylamine	0.600	0.0920	"	0.919	ND	65.3	10-125				
N-Nitrosodiphenylamine	0.800	0.0920	"	0.919	ND	87.1	10-177				
Pentachlorophenol	0.584	0.0920	"	0.919	ND	63.6	10-153				
Phenanthrene	0.676	0.0920	"	0.919	0.0579	67.2	10-148				
Phenol	0.596	0.0920	"	0.919	ND	64.9	10-126				
Pyrene	0.799	0.0920	"	0.919	0.112	74.8	10-165				
Pyridine	0.334	0.368	"	0.919	ND	36.3	10-83				
Surrogate: SURR: 2-Fluorophenol	1.26		"	1.84		68.8	20-108				
Surrogate: SURR: Phenol-d5	1.27		"	1.84		68.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.756		"	0.919		82.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.701		"	0.919		76.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.00		"	1.84		109	19-110				
Surrogate: SURR: Terphenyl-d14	0.931		"	0.919		101	24-116				



Semivolatile 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 BC10276 - EPA 3546 SVOA											
Matrix Spike Dup (BC10276-1) Matrix Spike Dup						Source sample: 21C0162-35 (Matrix Spike Dup)					
						Prepared: 03/04/2021 Analyzed: 03/05/2021					
1,1-Biphenyl	0.589	0.0920	mg/kg dry	0.919	ND	64.1	10-130		3.56	30	
1,2,4,5-Tetrachlorobenzene	0.600	0.184	"	0.919	ND	65.3	10-133		6.86	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.628	0.0920	"	0.919	ND	68.4	10-144		5.68	30	
2,3,4,6-Tetrachlorophenol	0.780	0.184	"	0.919	ND	84.9	30-130		5.59	30	
2,4,5-Trichlorophenol	0.615	0.0920	"	0.919	ND	67.0	10-127		2.48	30	
2,4,6-Trichlorophenol	0.618	0.0920	"	0.919	ND	67.3	10-132		2.58	30	
2,4-Dichlorophenol	0.637	0.0920	"	0.919	ND	69.3	10-128		6.26	30	
2,4-Dimethylphenol	0.487	0.0920	"	0.919	ND	53.0	10-137		10.8	30	
2,4-Dinitrophenol	ND	0.184	"	0.919	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.448	0.0920	"	0.919	ND	48.8	16-135		0.328	30	
2,6-Dinitrotoluene	0.493	0.0920	"	0.919	ND	53.7	18-131		0.298	30	
2-Chloronaphthalene	0.583	0.0920	"	0.919	ND	63.4	10-129		3.59	30	
2-Chlorophenol	0.556	0.0920	"	0.919	ND	60.5	15-116		3.25	30	
2-Methylnaphthalene	0.662	0.0920	"	0.919	ND	72.1	10-147		5.82	30	
2-Methylphenol	0.515	0.0920	"	0.919	ND	56.0	10-136		4.88	30	
2-Nitroaniline	0.668	0.184	"	0.919	ND	72.7	10-137		0.220	30	
2-Nitrophenol	0.230	0.0920	"	0.919	ND	25.0	10-129		0.00	30	
3- & 4-Methylphenols	0.501	0.0920	"	0.919	ND	54.6	10-123		1.17	30	
3,3-Dichlorobenzidine	0.542	0.0920	"	0.919	ND	59.0	10-155		1.08	30	
3-Nitroaniline	0.648	0.184	"	0.919	ND	70.5	12-133		6.59	30	
4,6-Dinitro-2-methylphenol	ND	0.184	"	0.919	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.644	0.0920	"	0.919	ND	70.1	14-128		8.94	30	
4-Chloro-3-methylphenol	0.649	0.0920	"	0.919	ND	70.6	10-134		4.54	30	
4-Chloroaniline	0.403	0.0920	"	0.919	ND	43.8	10-145		15.3	30	
4-Chlorophenyl phenyl ether	0.569	0.0920	"	0.919	ND	61.9	14-130		5.53	30	
4-Nitroaniline	0.717	0.184	"	0.919	ND	78.0	10-147		7.88	30	
4-Nitrophenol	0.734	0.184	"	0.919	ND	79.8	10-137		1.98	30	
Acenaphthene	0.598	0.0920	"	0.919	ND	65.1	10-146		6.77	30	
Acenaphthylene	0.592	0.0920	"	0.919	ND	64.4	10-134		6.84	30	
Acetophenone	0.576	0.0920	"	0.919	ND	62.7	10-116		0.768	30	
Aniline	0.351	0.368	"	0.919	ND	38.2	10-123		4.50	30	
Anthracene	0.608	0.0920	"	0.919	ND	66.2	10-142		7.00	30	
Atrazine	0.683	0.0920	"	0.919	ND	74.3	19-115		0.00	30	
Benzaldehyde	0.576	0.0920	"	0.919	ND	62.7	10-125		0.768	30	
Benzo(a)anthracene	0.681	0.0920	"	0.919	0.0703	66.4	10-158		11.7	30	
Benzo(a)pyrene	0.550	0.0920	"	0.919	0.0608	53.2	10-180		13.9	30	
Benzo(b)fluoranthene	0.595	0.0920	"	0.919	0.0498	59.4	10-200		16.3	30	
Benzo(g,h,i)perylene	0.629	0.0920	"	0.919	ND	68.5	10-138		13.6	30	
Benzo(k)fluoranthene	0.558	0.0920	"	0.919	0.0498	55.3	10-197		10.7	30	
Benzoic acid	0.692	0.0920	"	0.919	ND	75.3	10-166		6.70	30	
Benzyl alcohol	0.669	0.0920	"	0.919	ND	72.8	12-124		4.72	30	
Benzyl butyl phthalate	0.688	0.0920	"	0.919	ND	74.9	10-154		5.00	30	
Bis(2-chloroethoxy)methane	0.586	0.0920	"	0.919	ND	63.8	10-132		7.95	30	
Bis(2-chloroethyl)ether	0.473	0.0920	"	0.919	ND	51.5	10-119		9.61	30	
Bis(2-chloroisopropyl)ether	0.678	0.0920	"	0.919	ND	73.8	10-139		7.92	30	
Bis(2-ethylhexyl)phthalate	0.723	0.0920	"	0.919	ND	78.6	10-167		0.710	30	
Caprolactam	0.606	0.184	"	0.919	ND	66.0	10-132		7.29	30	
Carbazole	0.620	0.0920	"	0.919	ND	67.4	10-167		7.64	30	
Chrysene	0.665	0.0920	"	0.919	0.0608	65.7	10-156		9.28	30	
Dibenzo(a,h)anthracene	0.606	0.0920	"	0.919	ND	65.9	10-137		9.15	30	
Dibenzofuran	0.581	0.0920	"	0.919	ND	63.2	10-147		4.94	30	



Semivolatile 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 BC10276 - EPA 3546 SVOA

Matrix Spike Dup (BC10276-1)					Source sample: 21C0162-35 (Matrix Spike Dup)						
					Prepared: 03/04/2021 Analyzed: 03/05/2021						
Diethyl phthalate	0.577	0.0920	mg/kg dry	0.919	ND	62.8	20-120		3.63	30	
Dimethyl phthalate	0.521	0.0920	"	0.919	ND	56.7	18-131		6.28	30	
Di-n-butyl phthalate	0.639	0.0920	"	0.919	ND	69.5	10-137		4.06	30	
Di-n-octyl phthalate	0.706	0.0920	"	0.919	ND	76.9	10-180		1.75	30	
Diphenylamine	0.705	0.184	"	0.919	ND	76.7	40-140		5.18	30	
Fluoranthene	0.683	0.0920	"	0.919	0.124	60.8	10-160		14.2	30	
Fluorene	0.591	0.0920	"	0.919	ND	64.3	10-157		2.94	30	
Hexachlorobenzene	0.595	0.0920	"	0.919	ND	64.7	10-137		13.9	30	
Hexachlorobutadiene	0.628	0.0920	"	0.919	ND	68.4	10-132		7.22	30	
Hexachlorocyclopentadiene	ND	0.0920	"	0.919	ND		10-106	Low Bias		30	
Hexachloroethane	0.309	0.0920	"	0.919	ND	33.6	10-110		3.64	30	
Indeno(1,2,3-cd)pyrene	0.635	0.0920	"	0.919	ND	69.1	10-144		9.48	30	
Isophorone	0.642	0.0920	"	0.919	ND	69.9	10-132		3.60	30	
Naphthalene	0.573	0.0920	"	0.919	ND	62.3	10-141		8.60	30	
Nitrobenzene	0.576	0.0920	"	0.919	ND	62.7	10-131		10.4	30	
N-Nitrosodimethylamine	0.501	0.0920	"	0.919	ND	54.5	10-126		5.01	30	
N-nitroso-di-n-propylamine	0.609	0.0920	"	0.919	ND	66.2	10-125		1.46	30	
N-Nitrosodiphenylamine	0.750	0.0920	"	0.919	ND	81.6	10-177		6.54	30	
Pentachlorophenol	0.632	0.0920	"	0.919	ND	68.8	10-153		7.86	30	
Phenanthrene	0.615	0.0920	"	0.919	0.0579	60.6	10-148		9.46	30	
Phenol	0.582	0.0920	"	0.919	ND	63.4	10-126		2.37	30	
Pyrene	0.723	0.0920	"	0.919	0.112	66.4	10-165		10.0	30	
Pyridine	0.305	0.368	"	0.919	ND	33.2	10-83		8.98	30	
Surrogate: SURR: 2-Fluorophenol	1.22		"	1.84		66.3	20-108				
Surrogate: SURR: Phenol-d5	1.26		"	1.84		68.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.716		"	0.919		77.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.668		"	0.919		72.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.86		"	1.84		101	19-110				
Surrogate: SURR: Terphenyl-d14	0.908		"	0.919		98.8	24-116				



Semivolatile 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 BC10494 - EPA 3510C											
Blank (BC10494-BLK1)	Blank										Prepared & Analyzed: 03/09/2021
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile 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 BC10494 - EPA 3510C

Blank (BC10494-BLK1)	Blank	Prepared & Analyzed: 03/09/2021									
Surrogate: SURR: 2-Fluorophenol	21.1		ug/L	50.0		42.1	19.7-63.1				
Surrogate: SURR: Phenol-d5	12.8		"	50.0		25.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	21.6		"	25.0		86.4	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.0		"	25.0		76.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	42.8		"	50.0		85.7	39.3-151				
Surrogate: SURR: Terphenyl-d14	27.0		"	25.0		108	30.7-106				

Blank (BC10494-BLK2)	Blank	Prepared & Analyzed: 03/09/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								



Semivolatile 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 BC10494 - EPA 3510C

Blank (BC10494-BLK2)	Blank		Prepared & Analyzed: 03/09/2021								
Bis(2-chloroethoxy)methane	ND	5.00	ug/L								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	0.0900	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	0.0700	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC10494 - EPA 3510C											
LCS (BC10494-BS1)	LCS						Prepared & Analyzed: 03/09/2021				
1,1-Biphenyl	15.4	5.00	ug/L	25.0		61.5	33-95				
1,2,4,5-Tetrachlorobenzene	15.6	5.00	"	25.0		62.3	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	15.0	5.00	"	25.0		60.2	16-141				
2,3,4,6-Tetrachlorophenol	16.5	5.00	"	25.0		66.0	30-130				
2,4,5-Trichlorophenol	16.9	5.00	"	25.0		67.5	32-114				
2,4,6-Trichlorophenol	16.2	5.00	"	25.0		64.8	35-118				
2,4-Dichlorophenol	15.3	5.00	"	25.0		61.3	25-116				
2,4-Dimethylphenol	14.2	5.00	"	25.0		56.6	15-116				
2,4-Dinitrophenol	13.3	5.00	"	25.0		53.4	10-170				
2,4-Dinitrotoluene	19.6	5.00	"	25.0		78.5	41-128				
2,6-Dinitrotoluene	19.2	5.00	"	25.0		76.6	45-116				
2-Chloronaphthalene	13.9	5.00	"	25.0		55.6	33-112				
2-Chlorophenol	12.8	5.00	"	25.0		51.4	15-120				
2-Methylnaphthalene	16.3	5.00	"	25.0		65.1	24-118				
2-Methylphenol	12.6	5.00	"	25.0		50.3	10-110				
2-Nitroaniline	17.3	5.00	"	25.0		69.2	34-129				
2-Nitrophenol	18.2	5.00	"	25.0		72.9	28-118				
3- & 4-Methylphenols	11.0	5.00	"	25.0		44.1	10-107				
3,3-Dichlorobenzidine	14.0	5.00	"	25.0		56.0	15-187				
3-Nitroaniline	15.0	5.00	"	25.0		59.8	24-134				
4,6-Dinitro-2-methylphenol	17.5	5.00	"	25.0		69.8	10-153				
4-Bromophenyl phenyl ether	15.1	5.00	"	25.0		60.4	34-120				
4-Chloro-3-methylphenol	17.0	5.00	"	25.0		67.9	20-120				
4-Chloroaniline	11.7	5.00	"	25.0		46.8	10-147				
4-Chlorophenyl phenyl ether	15.8	5.00	"	25.0		63.0	27-121				
4-Nitroaniline	14.8	5.00	"	25.0		59.4	13-134				
4-Nitrophenol	9.32	5.00	"	25.0		37.3	10-131				
Acetophenone	15.2	5.00	"	25.0		60.8	25-110				
Aniline	7.38	5.00	"	25.0		29.5	10-117				
Benzaldehyde	14.7	5.00	"	25.0		59.0	29-117				
Benzoic acid	7.69	5.00	"	25.0		30.8	30-130				
Benzyl alcohol	12.2	5.00	"	25.0		48.8	10-117				
Benzyl butyl phthalate	17.9	5.00	"	25.0		71.7	29-133				
Bis(2-chloroethoxy)methane	14.2	5.00	"	25.0		57.0	10-154				
Bis(2-chloroethyl)ether	13.1	5.00	"	25.0		52.3	17-125				
Bis(2-chloroisopropyl)ether	16.0	5.00	"	25.0		64.0	10-139				
Caprolactam	3.97	5.00	"	25.0		15.9	10-137				
Carbazole	14.6	5.00	"	25.0		58.6	42-126				
Dibenzofuran	15.8	5.00	"	25.0		63.2	36-113				
Diethyl phthalate	16.0	5.00	"	25.0		64.0	38-115				
Dimethyl phthalate	15.7	5.00	"	25.0		62.7	38-129				
Di-n-butyl phthalate	16.6	5.00	"	25.0		66.6	31-120				
Di-n-octyl phthalate	18.0	5.00	"	25.0		72.0	21-149				
Diphenylamine	17.2	5.00	"	25.0		68.9	40-140				
Hexachlorocyclopentadiene	7.59	10.0	"	25.0		30.4	10-130				
Isophorone	16.4	5.00	"	25.0		65.5	25-127				
N-nitroso-di-n-propylamine	15.0	5.00	"	25.0		59.8	26-122				
N-Nitrosodiphenylamine	16.5	5.00	"	25.0		66.0	23-149				
Phenol	7.66	5.00	"	25.0		30.6	10-110				
Pyridine	4.01	5.00	"	25.2		15.9	10-90				
Surrogate: SURR: 2-Fluorophenol	19.9		"	50.0		39.8	19.7-63.1				



Semivolatile 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 BC10494 - EPA 3510C

LCS (BC10494-BS1)	LCS	Prepared & Analyzed: 03/09/2021									
Surrogate: SURR: Phenol-d5	14.0		ug/L	50.0		28.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	18.7		"	25.0		74.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.6		"	25.0		66.3	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	38.1		"	50.0		76.2	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.5		"	25.0		90.2	30.7-106				

LCS (BC10494-BS2)	LCS	Prepared & Analyzed: 03/09/2021									
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.450	0.0500	"	1.00		45.0	25-116				
Acenaphthylene	0.460	0.0500	"	1.00		46.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.480	0.0500	"	1.00		48.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.570	0.0500	"	1.00		57.0	33-125				
Benzo(a)pyrene	0.520	0.0500	"	1.00		52.0	32-132				
Benzo(b)fluoranthene	0.660	0.0500	"	1.00		66.0	22-137				
Benzo(g,h,i)perylene	0.740	0.0500	"	1.00		74.0	10-138				
Benzo(k)fluoranthene	0.630	0.0500	"	1.00		63.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			



Semivolatile 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 BC10494 - EPA 3510C

LCS (BC10494-BS2)	LCS	Prepared & Analyzed: 03/09/2021									
Bis(2-ethylhexyl)phthalate	0.910	0.500	ug/L	1.00		91.0	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.640	0.0500	"	1.00		64.0	32-124				
Dibenzo(a,h)anthracene	0.730	0.0500	"	1.00		73.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.610	0.0500	"	1.00		61.0	32-121				
Fluorene	0.520	0.0500	"	1.00		52.0	28-118				
Hexachlorobenzene	0.420	0.0200	"	1.00		42.0	23-124				
Hexachlorobutadiene	0.500	0.500	"	1.00		50.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	ND	0.500	"	1.00			18-115	Low Bias			
Indeno(1,2,3-cd)pyrene	0.690	0.0500	"	1.00		69.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.500	0.0500	"	1.00		50.0	18-120				
Nitrobenzene	0.430	0.250	"	1.00		43.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	0.900	0.250	"	1.00		90.0	10-156				
Phenanthrene	0.500	0.0500	"	1.00		50.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.490	0.0500	"	1.00		49.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC10494 - EPA 3510C											
LCS Dup (BC10494-BSD1)	LCS Dup		Prepared & Analyzed: 03/09/2021								
1,1-Biphenyl	16.0	5.00	ug/L	25.0		63.9	33-95		3.76	20	
1,2,4,5-Tetrachlorobenzene	16.3	5.00	"	25.0		65.2	26-120		4.64	20	
1,2-Diphenylhydrazine (as Azobenzene)	15.8	5.00	"	25.0		63.3	16-141		5.12	20	
2,3,4,6-Tetrachlorophenol	19.3	5.00	"	25.0		77.0	30-130		15.4	20	
2,4,5-Trichlorophenol	17.6	5.00	"	25.0		70.4	32-114		4.18	20	
2,4,6-Trichlorophenol	17.3	5.00	"	25.0		69.2	35-118		6.57	20	
2,4-Dichlorophenol	16.0	5.00	"	25.0		63.8	25-116		4.03	20	
2,4-Dimethylphenol	14.7	5.00	"	25.0		58.9	15-116		3.88	20	
2,4-Dinitrophenol	14.8	5.00	"	25.0		59.3	10-170		10.5	20	
2,4-Dinitrotoluene	21.2	5.00	"	25.0		84.6	41-128		7.50	20	
2,6-Dinitrotoluene	20.9	5.00	"	25.0		83.6	45-116		8.69	20	
2-Chloronaphthalene	14.4	5.00	"	25.0		57.5	33-112		3.39	20	
2-Chlorophenol	13.6	5.00	"	25.0		54.6	15-120		6.04	20	
2-Methylnaphthalene	16.8	5.00	"	25.0		67.2	24-118		3.26	20	
2-Methylphenol	13.2	5.00	"	25.0		52.6	10-110		4.51	20	
2-Nitroaniline	18.2	5.00	"	25.0		73.0	34-129		5.40	20	
2-Nitrophenol	18.7	5.00	"	25.0		74.7	28-118		2.49	20	
3- & 4-Methylphenols	11.8	5.00	"	25.0		47.0	10-107		6.32	20	
3,3-Dichlorobenzidine	17.7	5.00	"	25.0		70.6	15-187		23.1	20	Non-dir.
3-Nitroaniline	16.1	5.00	"	25.0		64.3	24-134		7.22	20	
4,6-Dinitro-2-methylphenol	19.0	5.00	"	25.0		76.1	10-153		8.61	20	
4-Bromophenyl phenyl ether	16.1	5.00	"	25.0		64.4	34-120		6.47	20	
4-Chloro-3-methylphenol	17.6	5.00	"	25.0		70.4	20-120		3.53	20	
4-Chloroaniline	11.1	5.00	"	25.0		44.4	10-147		5.26	20	
4-Chlorophenyl phenyl ether	16.8	5.00	"	25.0		67.4	27-121		6.63	20	
4-Nitroaniline	17.9	5.00	"	25.0		71.5	13-134		18.5	20	
4-Nitrophenol	10.6	5.00	"	25.0		42.4	10-131		12.9	20	
Acetophenone	16.3	5.00	"	25.0		65.3	25-110		7.17	20	
Aniline	7.65	5.00	"	25.0		30.6	10-117		3.59	20	
Benzaldehyde	16.5	5.00	"	25.0		66.2	29-117		11.5	20	
Benzoic acid	8.11	5.00	"	25.0		32.4	30-130		5.32	20	
Benzyl alcohol	12.3	5.00	"	25.0		49.2	10-117		0.653	20	
Benzyl butyl phthalate	21.1	5.00	"	25.0		84.3	29-133		16.2	20	
Bis(2-chloroethoxy)methane	14.5	5.00	"	25.0		58.2	10-154		2.08	20	
Bis(2-chloroethyl)ether	13.5	5.00	"	25.0		53.9	17-125		3.09	20	
Bis(2-chloroisopropyl)ether	17.2	5.00	"	25.0		68.8	10-139		7.29	20	
Caprolactam	4.72	5.00	"	25.0		18.9	10-137		17.3	20	
Carbazole	16.7	5.00	"	25.0		66.7	42-126		13.0	20	
Dibenzofuran	16.5	5.00	"	25.0		66.0	36-113		4.40	20	
Diethyl phthalate	17.8	5.00	"	25.0		71.4	38-115		10.9	20	
Dimethyl phthalate	16.8	5.00	"	25.0		67.3	38-129		7.08	20	
Di-n-butyl phthalate	18.6	5.00	"	25.0		74.5	31-120		11.2	20	
Di-n-octyl phthalate	21.3	5.00	"	25.0		85.0	21-149		16.6	20	
Diphenylamine	18.1	5.00	"	25.0		72.4	40-140		4.87	20	
Hexachlorocyclopentadiene	7.58	10.0	"	25.0		30.3	10-130		0.132	20	
Isophorone	17.1	5.00	"	25.0		68.4	25-127		4.30	20	
N-nitroso-di-n-propylamine	16.2	5.00	"	25.0		64.6	26-122		7.65	20	
N-Nitrosodiphenylamine	17.0	5.00	"	25.0		68.1	23-149		3.16	20	
Phenol	7.87	5.00	"	25.0		31.5	10-110		2.70	20	
Pyridine	3.80	5.00	"	25.2		15.0	10-90		5.38	20	
Surrogate: SURR: 2-Fluorophenol	21.1		"	50.0		42.2	19.7-63.1				



Semivolatile 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 BC10494 - EPA 3510C

LCS Dup (BC10494-BSD1) LCS Dup

Prepared & Analyzed: 03/09/2021

Surrogate: SURR: Phenol-d5	14.0		ug/L	50.0		28.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.0		"	25.0		76.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	16.8		"	25.0		67.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	39.2		"	50.0		78.4	39.3-151				
Surrogate: SURR: Terphenyl-d14	25.9		"	25.0		104	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC10316 - EPA 3550C

Blank (BC10316-BLK1)	Blank								Prepared & Analyzed: 03/05/2021		
1,4-Dioxane	ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8	248		"	495		50.0	39-127.5				
LCS (BC10316-BS1)	LCS								Prepared & Analyzed: 03/05/2021		
1,4-Dioxane	478	9.90	ug/kg	495		96.6	40-130				
Surrogate: 1,4-Dioxane-d8	287		"	495		58.0	39-127.5				
Matrix Spike (BC10316-MS1)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike)							Prepared & Analyzed: 03/05/2021		
1,4-Dioxane	474	9.90	ug/kg	495	ND	95.8	40-130				
Surrogate: 1,4-Dioxane-d8	238		"	495		48.0	40-130				
Matrix Spike Dup (BC10316-MS1)	Matrix Spike Dup	*Source sample: 21C0044-01 (Matrix Spike Dup)							Prepared & Analyzed: 03/05/2021		
1,4-Dioxane	495	9.90	ug/kg	495	ND	100	40-130		4.29	30	
Surrogate: 1,4-Dioxane-d8	267		"	495		54.0	40-130				

Batch BC10319 - EPA 3535A

Blank (BC10319-BLK1)	Blank								Prepared: 03/05/2021 Analyzed: 03/08/2021		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.36		"	4.00		84.0	36.6-118				
LCS (BC10319-BS1)	LCS								Prepared: 03/05/2021 Analyzed: 03/08/2021		
1,4-Dioxane	4.42	0.300	ug/L	4.00		110	50-130				
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	36.6-118				
Matrix Spike (BC10319-MS1)	Matrix Spike	*Source sample: 21C0044-05 (Matrix Spike)							Prepared: 03/05/2021 Analyzed: 03/08/2021		
1,4-Dioxane	4.62	0.300	ug/L	4.00	ND	116	50-130				
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	50-130				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC10319 - EPA 3535A

Matrix Spike Dup (BC10319-1)				Matrix Spike Dup				Source sample: 21C0044-05 (Matrix Spike Dup)				Prepared: 03/05/2021 Analyzed: 03/08/2021	
1,4-Dioxane	5.06	0.300	ug/L	4.00	ND	126	50-130		8.93	30			
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	50-130						



PFAS Target compounds by LC/MS-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 BC10282 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC10282-BLK1)		Blank		Prepared: 03/04/2021 Analyzed: 03/10/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	0.467	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.467	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.467	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.467	"								
Perfluorooctanoic acid (PFOA)	ND	0.467	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.467	"								
Perfluorononanoic acid (PFNA)	ND	0.467	"								
Perfluorodecanoic acid (PFDA)	ND	0.467	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.467	"								
Perfluorododecanoic acid (PFDoA)	ND	0.467	"								
Perfluorotridecanoic acid (PFTDA)	ND	0.467	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.467	"								
N-MeFOSAA	ND	0.467	"								
N-EtFOSAA	ND	0.467	"								
Perfluoropentanoic acid (PFPeA)	ND	0.467	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.467	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.467	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.467	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.467	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.467	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.467	"								
Surrogate: M5PFHxA	3.70		"	4.67		79.3	25-150				
Surrogate: M3PFHxS	4.90		"	4.42		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.15		"	4.67		88.8	25-150				
Surrogate: M6PFDA	3.43		"	4.67		73.4	25-150				
Surrogate: M7PFUdA	3.19		"	4.67		68.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.80		"	4.67		81.5	25-150				
Surrogate: M2PFTeDA	3.45		"	4.67		74.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.28		"	4.67		70.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.34		"	4.47		74.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.28		"	4.67		70.2	10-150				
Surrogate: d3-N-MeFOSAA	6.14		"	4.67		131	25-150				
Surrogate: d5-N-EtFOSAA	3.32		"	4.67		71.1	25-150				
Surrogate: M2-6:2 FTS	3.89		"	4.43		87.8	25-150				
Surrogate: M2-8:2 FTS	4.15		"	4.47		92.7	25-150				
Surrogate: M9PFNA	6.11		"	4.67		131	25-150				



PFAS Target compounds by LC/MS-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 BC10282 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BC10282-BS1)	LCS	Prepared: 03/04/2021 Analyzed: 03/10/2021									
Perfluorohexanoic acid (PFHxA)	5.26	0.492	ug/kg wet	4.92		107	50-130				
Perfluorohexanesulfonic acid (PFHxS)	2.94	0.492	"	4.49		65.4	50-130				
Perfluorooctanoic acid (PFOA)	4.91	0.492	"	4.92		99.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.97	0.492	"	4.56		87.2	50-130				
Perfluorononanoic acid (PFNA)	3.41	0.492	"	4.92		69.3	50-130				
Perfluorodecanoic acid (PFDA)	5.77	0.492	"	4.92		117	50-130				
Perfluoroundecanoic acid (PFUnA)	5.82	0.492	"	4.92		118	50-130				
Perfluorododecanoic acid (PFDoA)	4.96	0.492	"	4.92		101	50-130				
Perfluorotridecanoic acid (PFTriDA)	4.85	0.492	"	4.92		98.4	50-130				
Perfluorotetradecanoic acid (PFTA)	5.90	0.492	"	4.92		120	50-130				
N-MeFOSAA	2.80	0.492	"	4.92		56.8	50-130				
N-EtFOSAA	5.37	0.492	"	4.92		109	50-130				
Perfluoropentanoic acid (PFPeA)	2.80	0.492	"	4.92		56.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.36	0.492	"	4.92		109	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.95	0.492	"	4.68		127	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.94	0.492	"	4.75		104	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.26	0.492	"	4.68		112	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.29	0.492	"	4.73		90.7	50-130				
Perfluoro-n-butanoic acid (PFBA)	6.14	0.492	"	4.92		125	50-130				
Surrogate: M5PFHxA	4.16		"	4.92		84.4	25-150				
Surrogate: M3PFHxS	5.50		"	4.66		118	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.55		"	4.92		92.5	25-150				
Surrogate: M6PFDA	3.50		"	4.92		71.2	25-150				
Surrogate: M7PFUdA	3.20		"	4.92		64.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.92		"	4.92		79.6	25-150				
Surrogate: M2PFTeDA	3.37		"	4.92		68.4	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	3.92		"	4.92		79.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.62		"	4.71		76.8	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.16		"	4.92		64.2	10-150				
Surrogate: d3-N-MeFOSAA	6.39		"	4.92		130	25-150				
Surrogate: d5-N-EtFOSAA	3.21		"	4.92		65.2	25-150				
Surrogate: M2-6:2 FTS	4.46		"	4.67		95.4	25-150				
Surrogate: M2-8:2 FTS	4.42		"	4.72		93.7	25-150				
Surrogate: M9PFNA	6.28		"	4.92		128	25-150				



PFAS Target compounds by LC/MS-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 BC10282 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC10282-MS1)	Matrix Spike	*Source sample: 21C0044-01 (Matrix Spike)						Prepared: 03/04/2021 Analyzed: 03/10/2021			
Perfluorobutanesulfonic acid (PFBS)	2.16	0.558	ug/kg dry	4.93	ND	43.8	25-150				
Perfluorohexanoic acid (PFHxA)	5.86	0.558	"	5.58	ND	105	25-150				
Perfluoroheptanoic acid (PFHpA)	2.53	0.558	"	5.58	ND	45.4	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.20	0.558	"	5.09	ND	63.0	25-150				
Perfluorooctanoic acid (PFOA)	5.47	0.558	"	5.58	ND	98.1	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.51	0.558	"	5.16	ND	87.4	25-150				
Perfluorononanoic acid (PFNA)	3.57	0.558	"	5.58	ND	64.1	25-150				
Perfluorodecanoic acid (PFDA)	6.52	0.558	"	5.58	ND	117	25-150				
Perfluoroundecanoic acid (PFUnA)	5.84	0.558	"	5.58	ND	105	25-150				
Perfluorododecanoic acid (PFDoA)	5.35	0.558	"	5.58	ND	95.9	25-150				
Perfluorotridecanoic acid (PFTDA)	6.33	0.558	"	5.58	ND	114	25-150				
Perfluorotetradecanoic acid (PFTA)	6.22	0.558	"	5.58	ND	112	25-150				
N-MeFOSAA	2.83	0.558	"	5.58	ND	50.8	25-150				
N-EtFOSAA	5.99	0.558	"	5.58	ND	107	25-150				
Perfluoropentanoic acid (PFPeA)	2.96	0.558	"	5.58	ND	53.2	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.25	0.558	"	5.58	ND	94.1	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.97	0.558	"	5.30	ND	113	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.77	0.558	"	5.38	ND	107	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.87	0.558	"	5.30	ND	111	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.87	0.558	"	5.35	ND	91.0	25-150				
Perfluoro-n-butanoic acid (PFBA)	6.62	0.558	"	5.58	ND	119	25-150				
<i>Surrogate: M5PFHxA</i>	5.03		"	5.58		90.3	25-150				
<i>Surrogate: M3PFHxS</i>	6.04		"	5.27		114	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	4.97		"	5.58		89.2	25-150				
<i>Surrogate: M6PFDA</i>	3.70		"	5.58		66.4	25-150				
<i>Surrogate: M7PFUdA</i>	3.89		"	5.58		69.7	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	4.68		"	5.58		83.9	25-150				
<i>Surrogate: M2PFTeDA</i>	3.93		"	5.58		70.5	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	4.62		"	5.58		82.8	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	3.97		"	5.34		74.3	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	3.56		"	5.58		63.9	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	7.58		"	5.58		136	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	3.59		"	5.58		64.4	25-150				
<i>Surrogate: M2-6:2 FTS</i>	4.96		"	5.29		93.8	25-150				
<i>Surrogate: M2-8:2 FTS</i>	4.43		"	5.34		83.0	25-150				
<i>Surrogate: M9PFNA</i>	6.72		"	5.58		121	25-150				



PFAS Target compounds by LC/MS-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 BC10282 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC10282-1) Matrix Spike Dup					Source sample: 21C0044-01 (Matrix Spike Dup) Prepared: 03/04/2021 Analyzed: 03/10/2021						
Perfluorobutanesulfonic acid (PFBS)	2.30	0.575	ug/kg dry	5.08	ND	45.3	25-150		6.21	35	
Perfluorohexanoic acid (PFHxA)	6.08	0.575	"	5.75	ND	106	25-150		3.70	35	
Perfluoroheptanoic acid (PFHpA)	2.73	0.575	"	5.75	ND	47.6	25-150		7.64	35	
Perfluorohexanesulfonic acid (PFHxS)	3.27	0.575	"	5.24	ND	62.4	25-150		2.03	35	
Perfluorooctanoic acid (PFOA)	5.80	0.575	"	5.75	ND	101	25-150		5.93	35	
Perfluorooctanesulfonic acid (PFOS)	5.08	0.575	"	5.32	ND	95.5	25-150		11.8	35	
Perfluorononanoic acid (PFNA)	3.92	0.575	"	5.75	ND	68.2	25-150		9.23	35	
Perfluorodecanoic acid (PFDA)	6.70	0.575	"	5.75	ND	117	25-150		2.59	35	
Perfluoroundecanoic acid (PFUnA)	6.18	0.575	"	5.75	ND	108	25-150		5.56	35	
Perfluorododecanoic acid (PFDoA)	5.45	0.575	"	5.75	ND	94.9	25-150		1.97	35	
Perfluorotridecanoic acid (PFTriDA)	5.58	0.575	"	5.75	ND	97.1	25-150		12.6	35	
Perfluorotetradecanoic acid (PFTA)	6.64	0.575	"	5.75	ND	116	25-150		6.46	35	
N-MeFOSAA	3.39	0.575	"	5.75	ND	59.0	25-150		17.9	35	
N-EtFOSAA	6.55	0.575	"	5.75	ND	114	25-150		8.92	35	
Perfluoropentanoic acid (PFPeA)	3.15	0.575	"	5.75	ND	54.9	25-150		6.20	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.70	0.575	"	5.75	ND	99.1	25-150		8.20	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.77	0.575	"	5.46	ND	124	25-150		12.5	35	
Perfluoro-1-decanesulfonic acid (PFDS)	6.06	0.575	"	5.54	ND	109	25-150		4.88	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.86	0.575	"	5.46	ND	107	25-150		0.180	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.74	0.575	"	5.52	ND	86.0	25-150		2.74	35	
Perfluoro-n-butanoic acid (PFBA)	7.10	0.575	"	5.75	ND	124	25-150		7.03	35	
Surrogate: M5PFHxA	5.53		"	5.75		96.2	25-150				
Surrogate: M3PFHxS	6.83		"	5.44		126	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.20		"	5.75		90.6	25-150				
Surrogate: M6PFDA	3.79		"	5.75		65.9	25-150				
Surrogate: M7PFUdA	3.66		"	5.75		63.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	4.28		"	5.75		74.5	25-150				
Surrogate: M2PFTeDA	3.84		"	5.75		66.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.24		"	5.75		91.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	4.00		"	5.50		72.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.59		"	5.75		62.5	10-150				
Surrogate: d3-N-MeFOSAA	6.85		"	5.75		119	25-150				
Surrogate: d5-N-EtFOSAA	3.34		"	5.75		58.1	25-150				
Surrogate: M2-6:2 FTS	5.58		"	5.45		102	25-150				
Surrogate: M2-8:2 FTS	4.80		"	5.50		87.3	25-150				
Surrogate: M9PFNA	7.15		"	5.75		124	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Blank (BC10474-BLK1)		Blank		Prepared: 03/08/2021 Analyzed: 03/10/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	91.3		"	74.3		123	25-150				
Surrogate: M5PFHxA	93.3		"	80.0		117	25-150				
Surrogate: M4PFHpA	84.0		"	80.0		105	25-150				
Surrogate: M3PFHxS	84.6		"	75.7		112	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.0		"	80.0		104	25-150				
Surrogate: M6PFDA	75.3		"	80.0		94.1	25-150				
Surrogate: M7PFUdA	64.2		"	80.0		80.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	45.0		"	80.0		56.3	25-150				
Surrogate: M2PFTeDA	11.8		"	80.0		14.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	95.6		"	80.0		120	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.8		"	76.6		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	98.7		"	80.0		123	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	33.5		"	80.0		41.9	10-150				
Surrogate: d3-N-MeFOSAA	49.2		"	80.0		61.5	25-150				
Surrogate: d5-N-EtFOSAA	46.8		"	80.0		58.5	25-150				
Surrogate: M2-6:2 FTS	77.6		"	75.9		102	25-150				
Surrogate: M2-8:2 FTS	69.0		"	76.6		90.1	25-150				
Surrogate: M9PFNA	79.7		"	80.0		99.7	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

LCS (BC10474-BS1)	LCS	Prepared: 03/08/2021 Analyzed: 03/10/2021									
Perfluorobutanesulfonic acid (PFBS)	68.8	2.00	ng/L	70.8		97.2	50-130				
Perfluorohexanoic acid (PFHxA)	78.9	2.00	"	80.0		98.6	50-130				
Perfluoroheptanoic acid (PFHpA)	79.0	2.00	"	80.0		98.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.5	2.00	"	73.0		81.5	50-130				
Perfluorooctanoic acid (PFOA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	54.5	2.00	"	74.1		73.5	50-130				
Perfluorononanoic acid (PFNA)	79.0	2.00	"	80.0		98.7	50-130				
Perfluorodecanoic acid (PFDA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	79.8	2.00	"	80.0		99.7	50-130				
Perfluorododecanoic acid (PFDoA)	80.0	2.00	"	80.0		100	50-130				
Perfluorotridecanoic acid (PFTriDA)	66.0	2.00	"	80.0		82.5	50-130				
Perfluorotetradecanoic acid (PFTA)	79.5	2.00	"	80.0		99.4	50-130				
N-MeFOSAA	78.6	2.00	"	80.0		98.3	50-130				
N-EtFOSAA	84.5	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	75.0	2.00	"	80.0		93.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.4	2.00	"	76.0		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	70.5	2.00	"	77.2		91.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	74.0	5.00	"	76.0		97.3	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	73.5	2.00	"	76.8		95.7	50-130				
Perfluoro-n-butanoic acid (PFBA)	79.3	2.00	"	80.0		99.1	50-130				
Surrogate: M3PFBS	88.9		"	74.3		120	25-150				
Surrogate: M5PFHxA	89.5		"	80.0		112	25-150				
Surrogate: M4PFHpA	81.3		"	80.0		102	25-150				
Surrogate: M3PFHxS	84.3		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.1		"	80.0		100	25-150				
Surrogate: M6PFDA	74.6		"	80.0		93.2	25-150				
Surrogate: M7PFUdA	70.3		"	80.0		87.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	63.5		"	80.0		79.4	25-150				
Surrogate: M2PFTeDA	44.4		"	80.0		55.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.1		"	80.0		115	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.2		"	76.6		106	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	92.7		"	80.0		116	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	35.8		"	80.0		44.8	10-150				
Surrogate: d3-N-MeFOSAA	62.0		"	80.0		77.4	25-150				
Surrogate: d5-N-EtFOSAA	57.0		"	80.0		71.3	25-150				
Surrogate: M2-6:2 FTS	84.5		"	75.9		111	25-150				
Surrogate: M2-8:2 FTS	73.3		"	76.6		95.7	25-150				
Surrogate: M9PFNA	74.4		"	80.0		93.1	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BC10474-BS1)	LCS Dup		Prepared: 03/08/2021 Analyzed: 03/10/2021								
Perfluorobutanesulfonic acid (PFBS)	70.3	2.00	ng/L	70.8		99.2	50-130		2.08	30	
Perfluorohexanoic acid (PFHxA)	77.5	2.00	"	80.0		96.9	50-130		1.77	30	
Perfluoroheptanoic acid (PFHpA)	77.9	2.00	"	80.0		97.3	50-130		1.50	30	
Perfluorohexanesulfonic acid (PFHxS)	59.9	2.00	"	73.0		82.1	50-130		0.698	30	
Perfluorooctanoic acid (PFOA)	78.6	2.00	"	80.0		98.3	50-130		0.198	30	
Perfluorooctanesulfonic acid (PFOS)	58.0	2.00	"	74.1		78.3	50-130		6.27	30	
Perfluorononanoic acid (PFNA)	79.2	2.00	"	80.0		99.0	50-130		0.304	30	
Perfluorodecanoic acid (PFDA)	77.9	2.00	"	80.0		97.4	50-130		3.04	30	
Perfluoroundecanoic acid (PFUnA)	77.6	2.00	"	80.0		96.9	50-130		2.81	30	
Perfluorododecanoic acid (PFDoA)	77.5	2.00	"	80.0		96.9	50-130		3.11	30	
Perfluorotridecanoic acid (PFTDA)	58.0	2.00	"	80.0		72.5	50-130		13.0	30	
Perfluorotetradecanoic acid (PFTA)	80.0	2.00	"	80.0		100	50-130		0.639	30	
N-MeFOSAA	81.1	2.00	"	80.0		101	50-130		3.10	30	
N-EtFOSAA	84.3	2.00	"	80.0		105	50-130		0.287	30	
Perfluoropentanoic acid (PFPeA)	80.4	2.00	"	80.0		101	50-130		2.12	30	
Perfluoro-1-octanesulfonamide (FOSA)	77.2	2.00	"	80.0		96.5	50-130		2.95	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.8	2.00	"	76.0		110	50-130		5.37	30	
Perfluoro-1-decanesulfonic acid (PFDS)	66.3	2.00	"	77.2		85.9	50-130		6.13	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	79.1	5.00	"	76.0		104	50-130		6.74	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	74.4	2.00	"	76.8		96.9	50-130		1.26	30	
Perfluoro-n-butanoic acid (PFBA)	80.6	2.00	"	80.0		101	50-130		1.67	30	
Surrogate: M3PFBS	87.0		"	74.3		117	25-150				
Surrogate: M5PFHxA	91.0		"	80.0		114	25-150				
Surrogate: M4PFHpA	83.8		"	80.0		105	25-150				
Surrogate: M3PFHxS	84.3		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.6		"	80.0		105	25-150				
Surrogate: M6PFDA	72.6		"	80.0		90.8	25-150				
Surrogate: M7PFUdA	67.5		"	80.0		84.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	56.6		"	80.0		70.8	25-150				
Surrogate: M2PFTeDA	27.2		"	80.0		34.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.5		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.6		"	76.6		101	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	91.5		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	40.3		"	80.0		50.4	10-150				
Surrogate: d3-N-MeFOSAA	56.5		"	80.0		70.6	25-150				
Surrogate: d5-N-EtFOSAA	50.9		"	80.0		63.6	25-150				
Surrogate: M2-6:2 FTS	80.8		"	75.9		106	25-150				
Surrogate: M2-8:2 FTS	71.2		"	76.6		92.9	25-150				
Surrogate: M9PFNA	73.4		"	80.0		91.7	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BC10474-MS1)	Matrix Spike	*Source sample: 21C0328-05 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/10/2021			
Perfluorobutanesulfonic acid (PFBS)	44.2	0.954	ng/L	33.8	6.15	113	25-150				
Perfluorohexanoic acid (PFHxA)	53.5	0.954	"	38.2	10.0	114	25-150				
Perfluoroheptanoic acid (PFHpA)	49.9	0.954	"	38.2	13.0	96.6	25-150				
Perfluorohexanesulfonic acid (PFHxS)	43.5	0.954	"	34.8	16.2	78.4	25-150				
Perfluorooctanoic acid (PFOA)	78.5	0.954	"	38.2	27.7	133	25-150				
Perfluorooctanesulfonic acid (PFOS)	130	0.954	"	35.3	ND	369	25-150	High Bias			
Perfluorononanoic acid (PFNA)	66.0	0.954	"	38.2	17.3	128	25-150				
Perfluorodecanoic acid (PFDA)	41.9	0.954	"	38.2	ND	110	25-150				
Perfluoroundecanoic acid (PFUnA)	42.7	0.954	"	38.2	1.74	107	25-150				
Perfluorododecanoic acid (PFDoA)	41.5	0.954	"	38.2	ND	109	25-150				
Perfluorotridecanoic acid (PFTriDA)	46.5	0.954	"	38.2	ND	122	25-150				
Perfluorotetradecanoic acid (PFTA)	41.2	0.954	"	38.2	ND	108	25-150				
N-MeFOSAA	41.9	0.954	"	38.2	ND	110	25-150				
N-EtFOSAA	43.8	0.954	"	38.2	ND	115	25-150				
Perfluoropentanoic acid (PFPeA)	55.4	0.954	"	38.2	13.9	109	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	41.7	0.954	"	38.2	ND	109	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.6	0.954	"	36.3	16.0	137	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	41.5	0.954	"	36.8	ND	113	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	38.3	2.39	"	36.3	ND	106	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	41.8	0.954	"	36.6	ND	114	25-150				
Perfluoro-n-butanoic acid (PFBA)	51.5	0.954	"	38.2	8.51	113	25-150				
Surrogate: M3PFBS	38.3		"	35.5		108	25-150				
Surrogate: M5PFHxA	39.7		"	38.2		104	25-150				
Surrogate: M4PFHpA	42.8		"	38.2		112	25-150				
Surrogate: M3PFHxS	38.9		"	36.1		108	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.2		"	38.2		84.2	25-150				
Surrogate: M6PFDA	27.2		"	38.2		71.2	25-150				
Surrogate: M7PFUdA	24.2		"	38.2		63.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	22.6		"	38.2		59.3	25-150				
Surrogate: M2PFTeDA	14.3		"	38.2		37.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	41.2		"	38.2		108	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	31.8		"	36.5		86.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	37.2		"	38.2		97.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.68		"	38.2		9.65	10-150				
Surrogate: d3-N-MeFOSAA	21.9		"	38.2		57.3	25-150				
Surrogate: d5-N-EtFOSAA	19.2		"	38.2		50.2	25-150				
Surrogate: M2-6:2 FTS	41.9		"	36.2		116	25-150				
Surrogate: M2-8:2 FTS	30.0		"	36.6		82.0	25-150				
Surrogate: M9PFNA	25.0		"	38.2		65.4	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC10474-MS2) Matrix Spike *Source sample: 21C0328-05RE1 (Matrix Spike) Prepared: 03/08/2021 Analyzed: 03/11/2021

Perfluorooctanesulfonic acid (PFOS)	1230	50.0	ng/L	74.1	540	938	25-150	High Bias



Organochlorine Pesticides by GC/ECD - 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 BC10271 - EPA SW846-3510C Low Level

Blank (BC10271-BLK1)	Blank		Prepared: 03/04/2021 Analyzed: 03/05/2021								
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.0990		"	0.200		49.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.118		"	0.200		59.0	30-150				

LCS (BC10271-BS1)	LCS		Prepared: 03/04/2021 Analyzed: 03/05/2021								
4,4'-DDD	0.132	0.00400	ug/L	0.100		132	40-140				
4,4'-DDE	0.103	0.00400	"	0.100		103	40-140				
4,4'-DDT	0.121	0.00400	"	0.100		121	40-140				
Aldrin	0.0952	0.00400	"	0.100		95.2	40-140				
alpha-BHC	0.0977	0.00400	"	0.100		97.7	40-140				
alpha-Chlordane	0.0931	0.00400	"	0.100		93.1	40-140				
beta-BHC	0.116	0.00400	"	0.100		116	40-140				
delta-BHC	0.111	0.00400	"	0.100		111	40-140				
Dieldrin	0.114	0.00200	"	0.100		114	40-140				
Endosulfan I	0.111	0.00400	"	0.100		111	40-140				
Endosulfan II	0.127	0.00400	"	0.100		127	40-140				
Endosulfan sulfate	0.122	0.00400	"	0.100		122	40-140				
Endrin	0.114	0.00400	"	0.100		114	40-140				
Endrin aldehyde	0.113	0.0100	"	0.100		113	40-140				
Endrin ketone	0.132	0.0100	"	0.100		132	40-140				
gamma-BHC (Lindane)	0.105	0.00400	"	0.100		105	40-140				
gamma-Chlordane	0.104	0.0100	"	0.100		104	40-140				
Heptachlor	0.113	0.00400	"	0.100		113	40-140				
Heptachlor epoxide	0.107	0.00400	"	0.100		107	40-140				
Methoxychlor	0.120	0.00400	"	0.100		120	40-140				
Surrogate: Decachlorobiphenyl	0.181		"	0.200		90.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.153		"	0.200		76.7	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC10271 - EPA SW846-3510C Low Level

LCS Dup (BC10271-BS1)	LCS Dup	Prepared: 03/04/2021 Analyzed: 03/05/2021									
4,4'-DDD	0.123	0.00400	ug/L	0.100		123	40-140		6.82	20	
4,4'-DDE	0.0921	0.00400	"	0.100		92.1	40-140		11.1	20	
4,4'-DDT	0.113	0.00400	"	0.100		113	40-140		7.40	20	
Aldrin	0.0767	0.00400	"	0.100		76.7	40-140		21.5	20	Non-dir.
alpha-BHC	0.0789	0.00400	"	0.100		78.9	40-140		21.2	20	Non-dir.
alpha-Chlordane	0.0823	0.00400	"	0.100		82.3	40-140		12.3	20	
beta-BHC	0.104	0.00400	"	0.100		104	40-140		11.4	20	
delta-BHC	0.0977	0.00400	"	0.100		97.7	40-140		12.9	20	
Dieldrin	0.101	0.00200	"	0.100		101	40-140		12.0	20	
Endosulfan I	0.0964	0.00400	"	0.100		96.4	40-140		14.1	20	
Endosulfan II	0.117	0.00400	"	0.100		117	40-140		8.13	20	
Endosulfan sulfate	0.114	0.00400	"	0.100		114	40-140		7.21	20	
Endrin	0.102	0.00400	"	0.100		102	40-140		11.1	20	
Endrin aldehyde	0.104	0.0100	"	0.100		104	40-140		7.76	20	
Endrin ketone	0.121	0.0100	"	0.100		121	40-140		8.11	20	
gamma-BHC (Lindane)	0.0851	0.00400	"	0.100		85.1	40-140		20.7	20	Non-dir.
gamma-Chlordane	0.0922	0.0100	"	0.100		92.2	40-140		12.3	20	
Heptachlor	0.0923	0.00400	"	0.100		92.3	40-140		19.9	20	
Heptachlor epoxide	0.0925	0.00400	"	0.100		92.5	40-140		14.4	20	
Methoxychlor	0.109	0.00400	"	0.100		109	40-140		9.51	20	
Surrogate: Decachlorobiphenyl	0.162		"	0.200		80.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.127		"	0.200		63.3	30-150				

Batch BC10364 - EPA 3550C

Blank (BC10364-BLK1)	Blank	Prepared: 03/05/2021 Analyzed: 03/09/2021									
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0752		"	0.0664		113	30-150				
Surrogate: Tetrachloro-m-xylene	0.0665		"	0.0664		100	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC10364 - EPA 3550C

LCS (BC10364-BS1)	LCS	Prepared: 03/05/2021 Analyzed: 03/09/2021									
4,4'-DDD	0.0465	0.00164	mg/kg wet	0.0332		140	40-140				
4,4'-DDE	0.0329	0.00164	"	0.0332		99.0	40-140				
4,4'-DDT	0.0230	0.00164	"	0.0332		69.1	40-140				
Aldrin	0.0465	0.00164	"	0.0332		140	40-140				
alpha-BHC	0.0424	0.00164	"	0.0332		127	40-140				
alpha-Chlordane	0.0436	0.00164	"	0.0332		131	40-140				
beta-BHC	0.0384	0.00164	"	0.0332		116	40-140				
delta-BHC	0.0428	0.00164	"	0.0332		129	40-140				
Dieldrin	0.0449	0.00164	"	0.0332		135	40-140				
Endosulfan I	0.0518	0.00164	"	0.0332		156	40-140	High Bias			
Endosulfan II	0.0477	0.00164	"	0.0332		144	40-140	High Bias			
Endosulfan sulfate	0.0456	0.00164	"	0.0332		137	40-140				
Endrin	0.0367	0.00164	"	0.0332		111	40-140				
Endrin aldehyde	0.0422	0.00164	"	0.0332		127	40-140				
Endrin ketone	0.0467	0.00164	"	0.0332		140	40-140				
gamma-BHC (Lindane)	0.0431	0.00164	"	0.0332		130	40-140				
gamma-Chlordane	0.0451	0.00164	"	0.0332		136	40-140				
Heptachlor	0.0436	0.00164	"	0.0332		131	40-140				
Heptachlor epoxide	0.0455	0.00164	"	0.0332		137	40-140				
Methoxychlor	0.0221	0.00164	"	0.0332		66.6	40-140				
Surrogate: Decachlorobiphenyl	0.0720		"	0.0664		108	30-150				
Surrogate: Tetrachloro-m-xylene	0.0617		"	0.0664		92.8	30-150				

Matrix Spike (BC10364-MS1)	Matrix Spike	*Source sample: 21C0295-01 (Matrix Spike) Prepared: 03/05/2021 Analyzed: 03/11/2021									
4,4'-DDD	0.0463	0.00166	mg/kg dry	0.0336	ND	138	30-150				
4,4'-DDE	0.0418	0.00166	"	0.0336	ND	124	30-150				
4,4'-DDT	0.0264	0.00166	"	0.0336	ND	78.5	30-150				
Aldrin	0.0418	0.00166	"	0.0336	ND	124	30-150				
alpha-BHC	0.0385	0.00166	"	0.0336	ND	114	30-150				
alpha-Chlordane	0.0401	0.00166	"	0.0336	ND	119	30-150				
beta-BHC	0.0429	0.00166	"	0.0336	ND	128	30-150				
delta-BHC	0.0400	0.00166	"	0.0336	ND	119	30-150				
Dieldrin	0.0420	0.00166	"	0.0336	ND	125	30-150				
Endosulfan I	0.0470	0.00166	"	0.0336	ND	140	30-150				
Endosulfan II	0.0445	0.00166	"	0.0336	ND	132	30-150				
Endosulfan sulfate	0.0417	0.00166	"	0.0336	ND	124	30-150				
Endrin	0.0363	0.00166	"	0.0336	ND	108	30-150				
Endrin aldehyde	0.0371	0.00166	"	0.0336	ND	110	30-150				
Endrin ketone	0.0436	0.00166	"	0.0336	ND	130	30-150				
gamma-BHC (Lindane)	0.0385	0.00166	"	0.0336	ND	114	30-150				
gamma-Chlordane	0.0410	0.00166	"	0.0336	ND	122	30-150				
Heptachlor	0.0421	0.00166	"	0.0336	ND	125	30-150				
Heptachlor epoxide	0.0432	0.00166	"	0.0336	ND	128	30-150				
Methoxychlor	0.0258	0.00166	"	0.0336	ND	76.7	30-150				
Surrogate: Decachlorobiphenyl	0.0679		"	0.0673		101	30-150				
Surrogate: Tetrachloro-m-xylene	0.0585		"	0.0673		87.0	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC10364 - EPA 3550C

Matrix Spike Dup (BC10364-1) Matrix Spike Dup						Source sample: 21C0295-01 (Matrix Spike Dup)						Prepared: 03/05/2021 Analyzed: 03/11/2021	
4,4'-DDD	0.0465	0.00166	mg/kg dry	0.0336	ND	138	30-150		0.388	30			
4,4'-DDE	0.0430	0.00166	"	0.0336	ND	128	30-150		2.83	30			
4,4'-DDT	0.0278	0.00166	"	0.0336	ND	82.7	30-150		5.15	30			
Aldrin	0.0421	0.00166	"	0.0336	ND	125	30-150		0.665	30			
alpha-BHC	0.0388	0.00166	"	0.0336	ND	115	30-150		0.819	30			
alpha-Chlordane	0.0402	0.00166	"	0.0336	ND	120	30-150		0.356	30			
beta-BHC	0.0438	0.00166	"	0.0336	ND	130	30-150		2.16	30			
delta-BHC	0.0407	0.00166	"	0.0336	ND	121	30-150		1.72	30			
Dieldrin	0.0424	0.00166	"	0.0336	ND	126	30-150		0.861	30			
Endosulfan I	0.0468	0.00166	"	0.0336	ND	139	30-150		0.545	30			
Endosulfan II	0.0448	0.00166	"	0.0336	ND	133	30-150		0.730	30			
Endosulfan sulfate	0.0424	0.00166	"	0.0336	ND	126	30-150		1.70	30			
Endrin	0.0366	0.00166	"	0.0336	ND	109	30-150		0.992	30			
Endrin aldehyde	0.0383	0.00166	"	0.0336	ND	114	30-150		3.17	30			
Endrin ketone	0.0444	0.00166	"	0.0336	ND	132	30-150		1.78	30			
gamma-BHC (Lindane)	0.0391	0.00166	"	0.0336	ND	116	30-150		1.45	30			
gamma-Chlordane	0.0412	0.00166	"	0.0336	ND	122	30-150		0.549	30			
Heptachlor	0.0426	0.00166	"	0.0336	ND	127	30-150		1.02	30			
Heptachlor epoxide	0.0436	0.00166	"	0.0336	ND	130	30-150		1.00	30			
Methoxychlor	0.0268	0.00166	"	0.0336	ND	79.8	30-150		4.06	30			
Surrogate: Decachlorobiphenyl	0.0692		"	0.0673		103	30-150						
Surrogate: Tetrachloro-m-xylene	0.0593		"	0.0673		88.1	30-150						

Batch Y0L0501 - BL00027

Performance Mix (Y0L0501-P Performance Mix)						Prepared & Analyzed: 12/05/2020						
4,4'-DDD	4.16		ng/mL	0.00					0-200			
4,4'-DDE	1.04		"	0.00					0-200			
4,4'-DDT	182		"	200		91.2			0-200			
Endrin	97.9		"	100		97.9			0-200			
Endrin aldehyde	1.33		"	0.00					0-200			
Endrin ketone	2.35		"	0.00					0-200			



Organochlorine Pesticides by GC/ECD - 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 Y1C0803 - BB11219

Performance Mix (Y1C0803-F Performance Mix						Prepared & Analyzed: 03/05/2021					
4,4'-DDD	25.6		ng/mL	0.00			0-200				
4,4'-DDE	1.37		"	0.00			0-200				
4,4'-DDT	187		"	200		93.4	0-200				
Endrin	120		"	100		120	0-200				
Endrin aldehyde	2.29		"	0.00			0-200				
Endrin ketone	14.8		"	0.00			0-200				

Batch Y1C0910 - BB11219

Performance Mix (Y1C0910-F Performance Mix						Prepared & Analyzed: 03/08/2021					
4,4'-DDD	22.9		ng/mL	0.00			0-200				
4,4'-DDE	0.575		"	0.00			0-200				
4,4'-DDT	182		"	200		91.1	0-200				
Endrin	121		"	100		121	0-200				
Endrin aldehyde	1.39		"	0.00			0-200				
Endrin ketone	8.27		"	0.00			0-200				

Batch Y1C1008 - BB11219

Performance Mix (Y1C1008-F Performance Mix						Prepared & Analyzed: 03/09/2021					
4,4'-DDD	4.70		ng/mL	0.00			0-200				
4,4'-DDE	1.56		"	0.00			0-200				
4,4'-DDT	136		"	200		67.8	0-200				
Endrin	110		"	100		110	0-200				
Endrin aldehyde	2.06		"	0.00			0-200				
Endrin ketone	19.3		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - 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 Y1C1217 - BB11219

Performance Mix (Y1C1217-F Performance Mix

Prepared & Analyzed: 03/11/2021

4,4'-DDD	2.56		ng/mL	0.00			0-200				
4,4'-DDE	2.51		"	0.00			0-200				
4,4'-DDT	175		"	200		87.3	0-200				
Endrin	118		"	100		118	0-200				
Endrin aldehyde	2.13		"	0.00			0-200				
Endrin ketone	13.4		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BC10271 - EPA SW846-3510C Low Level

Blank (BC10271-BLK2)	Blank	Prepared: 03/04/2021 Analyzed: 03/05/2021									
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1262	ND	0.0500	"								
Aroclor 1268	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.107		"	0.200		53.5	30-120				
Surrogate: Decachlorobiphenyl	0.0750		"	0.200		37.5	30-120				
LCS (BC10271-BS2)	LCS	Prepared: 03/04/2021 Analyzed: 03/05/2021									
Aroclor 1016	0.709	0.0500	ug/L	1.00		70.9	40-120				
Aroclor 1260	0.855	0.0500	"	1.00		85.5	40-120				
Surrogate: Tetrachloro-m-xylene	0.115		"	0.200		57.5	30-120				
Surrogate: Decachlorobiphenyl	0.111		"	0.200		55.5	30-120				
LCS Dup (BC10271-BSD2)	LCS Dup	Prepared: 03/04/2021 Analyzed: 03/05/2021									
Aroclor 1016	0.730	0.0500	ug/L	1.00		73.0	40-120		2.95	30	
Aroclor 1260	0.985	0.0500	"	1.00		98.5	40-120		14.1	30	
Surrogate: Tetrachloro-m-xylene	0.115		"	0.200		57.5	30-120				
Surrogate: Decachlorobiphenyl	0.125		"	0.200		62.5	30-120				

Batch BC10364 - EPA 3550C

Blank (BC10364-BLK2)	Blank	Prepared: 03/05/2021 Analyzed: 03/08/2021									
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0558		"	0.0664		84.0	30-120				
Surrogate: Decachlorobiphenyl	0.0492		"	0.0664		74.0	30-120				



Polychlorinated Biphenyls by GC/ECD - 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 BC10364 - EPA 3550C

LCS (BC10364-BS2)	LCS	Prepared: 03/05/2021 Analyzed: 03/08/2021									
Aroclor 1016	0.237	0.0166	mg/kg wet	0.332		71.3	40-130				
Aroclor 1260	0.269	0.0166	"	0.332		81.0	40-130				
Surrogate: Tetrachloro-m-xylene	0.0505		"	0.0664		76.0	30-120				
Surrogate: Decachlorobiphenyl	0.0422		"	0.0664		63.5	30-120				

Batch Y1C0523 - BC10317

Aroclor Reference (Y1C0523-)	Aroclor Reference	Prepared & Analyzed: 03/05/2021									
Surrogate: Tetrachloro-m-xylene	0.206		ug/mL	0.200		103					
Surrogate: Decachlorobiphenyl	0.216		"	0.200		108					

Batch Y1C0824 - BC10399

Aroclor Reference (Y1C0824-)	Aroclor Reference	Prepared & Analyzed: 03/08/2021									
Surrogate: Tetrachloro-m-xylene	0.209		ug/mL	0.200		104					
Surrogate: Decachlorobiphenyl	0.189		"	0.200		94.5					



Chlorinated Herbicides by GC/ECD - 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 BC10398 - EPA 3550C/8151A

Blank (BC10398-BLK1)	Blank								Prepared: 03/06/2021	Analyzed: 03/08/2021
2,4,5-T	ND	0.0200	mg/kg wet							
2,4,5-TP (Silvex)	ND	0.0200	"							
2,4-D	ND	0.0200	"							

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.409 " 0.417 98.2 21-150

LCS (BC10398-BS1)	LCS								Prepared: 03/06/2021	Analyzed: 03/08/2021
2,4,5-T	0.0833	0.0200	mg/kg wet	0.133		62.5	10-120			
2,4,5-TP (Silvex)	0.0967	0.0200	"	0.133		72.5	10-120			
2,4-D	0.0892	0.0200	"	0.133		66.9	10-118			

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.409 " 0.417 98.2 21-150

LCS Dup (BC10398-BSD1)	LCS Dup								Prepared: 03/06/2021	Analyzed: 03/08/2021
2,4,5-T	0.0808	0.0200	mg/kg wet	0.133		60.6	10-120	3.05	30	
2,4,5-TP (Silvex)	0.0958	0.0200	"	0.133		71.9	10-120	0.866	30	
2,4-D	0.0883	0.0200	"	0.133		66.3	10-118	0.939	30	

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.398 " 0.417 95.4 21-150

Matrix Spike (BC10398-MS1)	Matrix Spike	*Source sample: 21C0184-01 (Matrix Spike)							Prepared: 03/06/2021	Analyzed: 03/08/2021
2,4,5-T	0.0867	0.0206	mg/kg dry	0.137	ND	63.1	10-120			
2,4,5-TP (Silvex)	0.0987	0.0206	"	0.137	ND	71.9	10-120			
2,4-D	0.0901	0.0206	"	0.137	ND	65.6	10-118			

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 0.396 " 0.429 92.2 21-150

Batch BC10570 - EPA 8151A

Blank (BC10570-BLK1)	Blank					Prepared & Analyzed: 03/10/2021
2,4,5-T	ND	5.00	ug/L			
2,4,5-TP (Silvex)	ND	5.00	"			
2,4-D	ND	5.00	"			

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA) 135 " 125 108 30-150



Chlorinated Herbicides by GC/ECD - 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 BC10570 - EPA 8151A

LCS (BC10570-BS1) LCS		Prepared & Analyzed: 03/10/2021									
2,4,5-T	24.5	5.00	ug/L	40.0		61.2	10-140				
2,4,5-TP (Silvex)	29.0	5.00	"	40.0		72.5	10-139				
2,4-D	27.8	5.00	"	40.0		69.4	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	127		"	125		102	30-150				
LCS Dup (BC10570-BSD1) LCS Dup		Prepared & Analyzed: 03/10/2021									
2,4,5-T	27.2	5.00	ug/L	40.0		68.1	10-140		10.6	30	
2,4,5-TP (Silvex)	31.0	5.00	"	40.0		77.5	10-139		6.67	30	
2,4-D	30.5	5.00	"	40.0		76.2	10-140		9.44	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	129		"	125		103	30-150				



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

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

Batch BC10280 - EPA 3050B

Blank (BC10280-BLK1)	Blank										Prepared: 03/04/2021 Analyzed: 03/08/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	8.66	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BC10280-DUP1)	Duplicate	*Source sample: 21C0202-21 (Duplicate)				Prepared: 03/04/2021 Analyzed: 03/08/2021		
Aluminum		15200	5.48	mg/kg dry	14800		2.51	35
Antimony		ND	2.74	"	ND			35
Arsenic		ND	1.64	"	1.95			35
Barium		144	2.74	"	139		3.52	35
Beryllium		ND	0.055	"	ND			35
Cadmium		0.385	0.329	"	0.364		5.41	35
Calcium		3520	5.48	"	3540		0.511	35
Chromium		23.4	0.548	"	23.5		0.205	35
Cobalt		14.9	0.438	"	15.0		0.207	35
Copper		22.0	2.19	"	21.3		3.59	35
Iron		26300	27.4	"	25000		4.82	35
Lead		8.22	0.548	"	8.02		2.49	35
Magnesium		6200	5.48	"	5890		5.11	35
Manganese		377	0.548	"	415		9.65	35
Nickel		23.3	1.10	"	22.0		5.48	35
Potassium		5520	5.48	"	5710		3.26	35
Selenium		ND	2.74	"	ND			35
Silver		ND	0.548	"	ND			35
Sodium		236	54.8	"	236		0.0494	35
Thallium		ND	2.74	"	ND			35
Vanadium		35.2	1.10	"	34.7		1.48	35
Zinc		58.1	2.74	"	56.7		2.50	35



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

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

Batch BC10280 - EPA 3050B

Matrix Spike (BC10280-MS1)		Matrix Spike	*Source sample: 21C0202-21 (Matrix Spike)					Prepared: 03/04/2021 Analyzed: 03/08/2021			
Aluminum		14200	5.48	mg/kg dry	219	14800	NR	75-125	Low Bias		
Antimony		ND	2.74	"	27.4	ND		75-125	Low Bias		
Arsenic		198	1.64	"	219	1.95	89.6	75-125			
Barium		333	2.74	"	219	139	88.8	75-125			
Beryllium		1.38	0.055	"	5.48	ND	25.2	75-125	Low Bias		
Cadmium		5.33	0.329	"	5.48	0.364	90.6	75-125			
Calcium		3440	5.48	"	110	3540	NR	75-125	Low Bias		
Chromium		48.2	0.548	"	21.9	23.5	113	75-125			
Cobalt		64.2	0.438	"	54.8	15.0	90.0	75-125			
Copper		45.7	2.19	"	27.4	21.3	89.3	75-125			
Iron		24600	27.4	"	110	25000	NR	75-125	Low Bias		
Lead		58.5	0.548	"	54.8	8.02	92.1	75-125			
Magnesium		6010	5.48	"	110	5890	105	75-125			
Manganese		382	0.548	"	54.8	415	NR	75-125	Low Bias		
Nickel		69.9	1.10	"	54.8	22.0	87.5	75-125			
Potassium		5500	5.48	"	110	5710	NR	75-125	Low Bias		
Selenium		164	2.74	"	219	ND	74.9	75-125	Low Bias		
Silver		ND	0.548	"	5.48	ND		75-125	Low Bias		
Sodium		296	54.8	"	110	236	54.5	75-125	Low Bias		
Thallium		187	2.74	"	219	ND	85.4	75-125			
Vanadium		80.7	1.10	"	54.8	34.7	84.1	75-125			
Zinc		107	2.74	"	54.8	56.7	91.7	75-125			

Post Spike (BC10280-PS1)		Post Spike	*Source sample: 21C0202-21 (Post Spike)					Prepared: 03/04/2021 Analyzed: 03/08/2021			
Aluminum		138		ug/mL	2.00	135	170	75-125	High Bias		
Antimony		0.258		"	0.250	-0.057	103	75-125			
Arsenic		2.19		"	2.00	0.018	109	75-125			
Barium		3.41		"	2.00	1.27	107	75-125			
Beryllium		0.018		"	0.0500	-0.035	36.0	75-125	Low Bias		
Cadmium		0.058		"	0.0500	0.003	109	75-125			
Calcium		33.6		"	1.00	32.3	132	75-125	High Bias		
Chromium		0.421		"	0.200	0.214	103	75-125			
Cobalt		0.682		"	0.500	0.136	109	75-125			
Copper		0.460		"	0.250	0.194	106	75-125			
Iron		232		"	1.00	229	299	75-125	High Bias		
Lead		0.636		"	0.500	0.073	113	75-125			
Magnesium		55.1		"	1.00	53.8	132	75-125	High Bias		
Manganese		4.28		"	0.500	3.79	98.9	75-125			
Nickel		0.745		"	0.500	0.201	109	75-125			
Potassium		53.7		"	1.00	52.1	163	75-125	High Bias		
Selenium		1.89		"	2.00	-0.154	94.3	75-125			
Silver		-0.044		"	0.0500	-0.076		75-125	Low Bias		
Sodium		3.15		"	1.00	2.15	99.3	75-125			
Thallium		2.08		"	2.00	-0.103	104	75-125			
Vanadium		0.842		"	0.500	0.316	105	75-125			
Zinc		1.03		"	0.500	0.518	103	75-125			



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10280 - EPA 3050B

Reference (BC10280-SRM1)	Reference	Prepared: 03/04/2021 Analyzed: 03/08/2021									
Aluminum	9650	5.00	mg/kg wet	8190		118	50.5-150.1				
Antimony	72.7	2.50	"	110		66.0	19-251.7				
Arsenic	173	1.50	"	162		107	70.1-129.8				
Barium	146	2.50	"	138		106	75-125				
Beryllium	167	0.050	"	157		106	75-125.2				
Cadmium	141	0.300	"	135		105	74.8-125.2				
Calcium	4840	5.00	"	4790		101	72.7-127.5				
Chromium	121	0.500	"	117		103	70.1-129.9				
Cobalt	102	0.400	"	92.6		110	75-125				
Copper	146	2.00	"	143		102	75.3-125.3				
Iron	15600	25.0	"	15100		104	35.8-164.6				
Lead	77.6	0.500	"	77.6		100	70-130				
Magnesium	2450	5.00	"	2320		106	61.7-137.8				
Manganese	343	0.500	"	319		108	78.1-122				
Nickel	95.3	1.00	"	79.9		119	70.1-130.1				
Potassium	2330	5.00	"	2050		114	59.1-140.9				
Selenium	155	2.50	"	172		90.1	55.7-144.5				
Silver	23.5	0.500	"	24.7		95.0	69.2-130.8				
Sodium	128	50.0	"	137		93.3	36.1-163.3				
Thallium	87.0	2.50	"	88.0		98.9	65.3-146.8				
Vanadium	103	1.00	"	99.9		104	67-133.1				
Zinc	319	2.50	"	312		102	69.9-130.1				

Batch BC10334 - EPA 3015A

Blank (BC10334-BLK1)	Blank	Prepared: 03/05/2021 Analyzed: 03/09/2021									
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.218	0.0556	"								
Silver	ND	0.00556	"								
Sodium	0.708	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								



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

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

Batch BC10334 - EPA 3015A

LCS (BC10334-BS1)	LCS	Prepared: 03/05/2021 Analyzed: 03/09/2021									
Aluminum	2.13		ug/mL	2.00		107	80-120				
Barium	2.02		"	2.00		101	80-120				
Calcium	1.04		"	1.00		104	80-120				
Chromium	0.194		"	0.200		97.2	80-120				
Cobalt	0.516		"	0.500		103	80-120				
Copper	0.245		"	0.250		97.9	80-120				
Iron	1.04		"	1.00		104	80-120				
Lead	0.528		"	0.500		106	80-120				
Magnesium	1.05		"	1.00		105	80-120				
Manganese	0.503		"	0.500		101	80-120				
Nickel	0.512		"	0.500		102	80-120				
Potassium	1.19		"	1.00		119	80-120				
Silver	0.0279		"	0.0500		55.7	80-120	Low Bias			
Sodium	1.32		"	1.00		132	80-120	High Bias			
Vanadium	0.491		"	0.500		98.2	80-120				
Zinc	0.490		"	0.500		98.1	80-120				

Duplicate (BC10334-DUP1)	Duplicate	*Source sample: 21C0201-04 (Duplicate) Prepared: 03/05/2021 Analyzed: 03/09/2021									
Aluminum	ND	0.0556	mg/L		ND						20
Barium	0.0437	0.0278	"		0.0445				1.78		20
Calcium	40.6	0.0556	"		40.5				0.215		20
Chromium	ND	0.00556	"		ND						20
Cobalt	ND	0.00444	"		ND						20
Copper	0.0439	0.0222	"		0.0453				2.99		20
Iron	ND	0.278	"		ND						20
Lead	0.0427	0.00556	"		0.0422				1.22		20
Magnesium	13.3	0.0556	"		13.4				0.498		20
Manganese	0.0206	0.00556	"		0.0203				1.11		20
Nickel	ND	0.0111	"		ND						20
Potassium	3.80	0.0556	"		3.73				1.93		20
Silver	ND	0.00556	"		ND						20
Sodium	48.3	0.556	"		48.2				0.275		20
Vanadium	ND	0.0111	"		ND						20
Zinc	1.25	0.0278	"		1.23				1.52		20



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

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

Batch BC10334 - EPA 3015A

Matrix Spike (BC10334-MS1)	Matrix Spike	*Source sample: 21C0201-04 (Matrix Spike)						Prepared: 03/05/2021 Analyzed: 03/09/2021			
Aluminum	2.22	0.0556	mg/L	2.22	ND	99.8	75-125				
Barium	2.28	0.0278	"	2.22	0.0445	101	75-125				
Calcium	40.8	0.0556	"	1.11	40.5	28.5	75-125	Low Bias			
Chromium	0.218	0.00556	"	0.222	ND	98.0	75-125				
Cobalt	0.574	0.00444	"	0.556	ND	103	75-125				
Copper	0.316	0.0222	"	0.278	0.0453	97.6	75-125				
Iron	1.13	0.278	"	1.11	ND	101	75-125				
Lead	0.620	0.00556	"	0.556	0.0422	104	75-125				
Magnesium	14.1	0.0556	"	1.11	13.4	60.3	75-125	Low Bias			
Manganese	0.581	0.00556	"	0.556	0.0203	101	75-125				
Nickel	0.578	0.0111	"	0.556	ND	104	75-125				
Potassium	4.75	0.0556	"	1.11	3.73	92.4	75-125				
Silver	0.0313	0.00556	"	0.0556	ND	56.3	75-125	Low Bias			
Sodium	47.2	0.556	"	1.11	48.2	NR	75-125	Low Bias			
Vanadium	0.554	0.0111	"	0.556	ND	99.8	75-125				
Zinc	1.75	0.0278	"	0.556	1.23	93.5	75-125				

Post Spike (BC10334-PS1)	Post Spike	*Source sample: 21C0201-04 (Post Spike)						Prepared: 03/05/2021 Analyzed: 03/09/2021			
Aluminum	2.07		ug/mL	2.00	0.0129	103	75-125				
Barium	2.15		"	2.00	0.0400	105	75-125				
Calcium	37.0		"	1.00	36.5	54.3	75-125	Low Bias			
Chromium	0.206		"	0.200	0.00243	102	75-125				
Cobalt	0.528		"	0.500	0.00212	105	75-125				
Copper	0.300		"	0.250	0.0408	104	75-125				
Iron	1.06		"	1.00	0.0109	105	75-125				
Lead	0.586		"	0.500	0.0380	110	75-125				
Magnesium	12.7		"	1.00	12.0	64.1	75-125	Low Bias			
Manganese	0.549		"	0.500	0.0183	106	75-125				
Nickel	0.550		"	0.500	-0.0000529	110	75-125				
Potassium	4.20		"	1.00	3.36	84.1	75-125				
Silver	0.0309		"	0.0500	0.000348	61.2	75-125	Low Bias			
Sodium	42.5		"	1.00	43.3	NR	75-125	Low Bias			
Vanadium	0.523		"	0.500	0.00140	104	75-125				
Zinc	1.61		"	0.500	1.10	101	75-125				



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

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

Batch BC11055 - EPA 3050B

Blank (BC11055-BLK1)	Blank										Prepared: 03/17/2021 Analyzed: 03/19/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	9.01	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BC11055-DUP1)	Duplicate	*Source sample: 21C0623-34 (Duplicate)				Prepared: 03/17/2021 Analyzed: 03/19/2021				
Aluminum		10800	5.83	mg/kg dry		10500		2.65	35	
Antimony		ND	2.92	"		ND			35	
Arsenic		4.27	1.75	"		4.48		4.60	35	
Barium		107	2.92	"		123		14.0	35	
Beryllium		ND	0.058	"		ND			35	
Cadmium		0.952	0.350	"		1.09		13.6	35	
Calcium		13700	5.83	"		23000		50.9	35	Non-dir.
Chromium		27.6	0.583	"		32.4		15.8	35	
Cobalt		10.0	0.467	"		10.7		6.80	35	
Copper		34.8	2.33	"		36.2		3.94	35	
Iron		23200	29.2	"		22500		3.12	35	
Lead		82.2	0.583	"		78.4		4.73	35	
Magnesium		6020	5.83	"		6160		2.23	35	
Manganese		357	0.583	"		568		45.5	35	Non-dir.
Nickel		25.1	1.17	"		29.6		16.4	35	
Potassium		2600	5.83	"		2990		13.9	35	
Selenium		ND	2.92	"		ND			35	
Silver		ND	0.583	"		ND			35	
Sodium		407	58.3	"		434		6.37	35	
Thallium		ND	2.92	"		ND			35	
Vanadium		27.3	1.17	"		27.0		1.07	35	
Zinc		124	2.92	"		139		11.4	35	



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

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

Batch BC11055 - EPA 3050B

Matrix Spike (BC11055-MS1)	Matrix Spike	*Source sample: 21C0623-34 (Matrix Spike)						Prepared: 03/17/2021 Analyzed: 03/19/2021			
Aluminum	8870	5.83	mg/kg dry	233	10500	NR	75-125	Low Bias			
Antimony	9.70	2.92	"	29.2	ND	33.3	75-125	Low Bias			
Arsenic	212	1.75	"	233	4.48	88.7	75-125				
Barium	340	2.92	"	233	123	92.8	75-125				
Beryllium	4.79	0.058	"	5.83	ND	82.0	75-125				
Cadmium	6.35	0.350	"	5.83	1.09	90.1	75-125				
Calcium	16700	5.83	"	117	23000	NR	75-125	Low Bias			
Chromium	46.9	0.583	"	23.3	32.4	62.2	75-125	Low Bias			
Cobalt	58.4	0.467	"	58.3	10.7	81.7	75-125				
Copper	67.1	2.33	"	29.2	36.2	106	75-125				
Iron	16800	29.2	"	117	22500	NR	75-125	Low Bias			
Lead	146	0.583	"	58.3	78.4	115	75-125				
Magnesium	4670	5.83	"	117	6160	NR	75-125	Low Bias			
Manganese	364	0.583	"	58.3	568	NR	75-125	Low Bias			
Nickel	71.2	1.17	"	58.3	29.6	71.3	75-125	Low Bias			
Potassium	2130	5.83	"	117	2990	NR	75-125	Low Bias			
Selenium	183	2.92	"	233	ND	78.3	75-125				
Silver	4.51	0.583	"	5.83	ND	77.4	75-125				
Sodium	430	58.3	"	117	434	NR	75-125	Low Bias			
Thallium	207	2.92	"	233	ND	88.6	75-125				
Vanadium	73.3	1.17	"	58.3	27.0	79.3	75-125				
Zinc	172	2.92	"	58.3	139	56.2	75-125	Low Bias			

Post Spike (BC11055-PS1)	Post Spike	*Source sample: 21C0623-34 (Post Spike)						Prepared: 03/17/2021 Analyzed: 03/19/2021			
Aluminum	92.7		ug/mL	2.00	90.3	118	75-125				
Antimony	0.316		"	0.250	-0.003	126	75-125	High Bias			
Arsenic	2.17		"	2.00	0.038	106	75-125				
Barium	3.13		"	2.00	1.06	104	75-125				
Beryllium	0.051		"	0.0500	-0.0007	101	75-125				
Cadmium	0.061		"	0.0500	0.009	103	75-125				
Calcium	197		"	1.00	197	41.8	75-125	Low Bias			
Chromium	0.477		"	0.200	0.278	99.4	75-125				
Cobalt	0.617		"	0.500	0.092	105	75-125				
Copper	0.562		"	0.250	0.310	101	75-125				
Iron	196		"	1.00	193	270	75-125	High Bias			
Lead	1.22		"	0.500	0.672	110	75-125				
Magnesium	54.6		"	1.00	52.8	179	75-125	High Bias			
Manganese	5.43		"	0.500	4.87	113	75-125				
Nickel	0.820		"	0.500	0.254	113	75-125				
Potassium	26.8		"	1.00	25.6	116	75-125				
Selenium	1.86		"	2.00	-0.120	93.1	75-125				
Silver	0.039		"	0.0500	-0.009	78.2	75-125				
Sodium	4.83		"	1.00	3.72	111	75-125				
Thallium	2.07		"	2.00	-0.036	104	75-125				
Vanadium	0.743		"	0.500	0.232	102	75-125				
Zinc	1.72		"	0.500	1.19	105	75-125				



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

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

Batch BC11055 - EPA 3050B

Reference (BC11055-SRM1)	Reference	Prepared: 03/17/2021 Analyzed: 03/19/2021									
Aluminum	9340	5.00	mg/kg wet	8190		114	50.5-150.1				
Antimony	82.7	2.50	"	110		75.1	19-251.7				
Arsenic	166	1.50	"	162		102	70.1-129.8				
Barium	143	2.50	"	138		103	75-125				
Beryllium	152	0.050	"	157		97.0	75-125.2				
Cadmium	132	0.300	"	135		98.1	74.8-125.2				
Calcium	4650	5.00	"	4790		97.2	72.7-127.5				
Chromium	111	0.500	"	117		95.3	70.1-129.9				
Cobalt	95.2	0.400	"	92.6		103	75-125				
Copper	137	2.00	"	143		96.1	75.3-125.3				
Iron	15100	25.0	"	15100		100	35.8-164.6				
Lead	75.4	0.500	"	77.6		97.2	70-130				
Magnesium	2410	5.00	"	2320		104	61.7-137.8				
Manganese	310	0.500	"	319		97.1	78.1-122				
Nickel	88.7	1.00	"	79.9		111	70.1-130.1				
Potassium	2340	5.00	"	2050		114	59.1-140.9				
Selenium	152	2.50	"	172		88.3	55.7-144.5				
Silver	22.9	0.500	"	24.7		92.9	69.2-130.8				
Sodium	122	50.0	"	137		88.8	36.1-163.3				
Thallium	87.8	2.50	"	88.0		99.7	65.3-146.8				
Vanadium	96.1	1.00	"	99.9		96.2	67-133.1				
Zinc	303	2.50	"	312		97.0	69.9-130.1				



Metals by ICP/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 BC10333 - EPA 3015A											
Blank (BC10333-BLK1)	Blank							Prepared: 03/05/2021 Analyzed: 03/09/2021			
Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								
LCS (BC10333-BS1)	LCS							Prepared: 03/05/2021 Analyzed: 03/09/2021			
Antimony	41.4		ug/L	50.0		82.7	80-120				
Arsenic	46.0		"	50.0		92.1	80-120				
Beryllium	37.1		"	50.0		74.2	80-120	Low Bias			
Cadmium	43.2		"	50.0		86.4	80-120				
Selenium	45.8		"	50.0		91.7	80-120				
Thallium	45.2		"	50.0		90.4	80-120				
Duplicate (BC10333-DUP1)	Duplicate	*Source sample: 21C0201-04 (Duplicate)							Prepared: 03/05/2021 Analyzed: 03/09/2021		
Antimony	1.65	1.11	ug/L		1.61				2.35	20	
Arsenic	ND	1.11	"		ND					20	
Beryllium	ND	0.333	"		ND					20	
Cadmium	2.54	0.556	"		2.54				0.0765	20	
Selenium	2.18	1.11	"		3.11				35.3	20	Non-dir.
Thallium	ND	1.11	"		ND					20	
Matrix Spike (BC10333-MS1)	Matrix Spike	*Source sample: 21C0201-04 (Matrix Spike)							Prepared: 03/05/2021 Analyzed: 03/09/2021		
Antimony	42.9		ug/L	50.0	1.45	82.9	75-125				
Arsenic	48.7		"	50.0	0.801	95.8	75-125				
Beryllium	33.3		"	50.0	0.002	66.6	75-125	Low Bias			
Cadmium	45.3		"	50.0	2.28	86.1	75-125				
Selenium	52.8		"	50.0	2.80	99.9	75-125				
Thallium	43.9		"	50.0	0.204	87.4	75-125				



Mercury by EPA 7000/200 Series Methods - 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 BC10301 - EPA 7473 soil											
Blank (BC10301-BLK1)	Blank								Prepared & Analyzed: 03/04/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC10301-DUP1)	Duplicate	*Source sample: 21C0198-20 (Duplicate)							Prepared & Analyzed: 03/04/2021		
Mercury	0.235	0.0337	mg/kg dry		0.452				63.0	35	Non-dir.
Matrix Spike (BC10301-MS1)	Matrix Spike	*Source sample: 21C0198-20 (Matrix Spike)							Prepared & Analyzed: 03/04/2021		
Mercury	0.675		mg/kg	0.500	0.402	54.6	75-125	Low Bias			
Reference (BC10301-SRM1)	Reference								Prepared & Analyzed: 03/04/2021		
Mercury	30.644		mg/kg	27.2		113	59.9-140.1				
Batch BC10303 - EPA 7473 water											
Blank (BC10303-BLK1)	Blank								Prepared & Analyzed: 03/04/2021		
Mercury	0.00030	0.00020	mg/L								
LCS (BC10303-BS1)	LCS								Prepared & Analyzed: 03/04/2021		
Mercury	0.0114		mg/L	0.0100		114	80-120				
Duplicate (BC10303-DUP1)	Duplicate	*Source sample: 21C0175-03 (Duplicate)							Prepared & Analyzed: 03/04/2021		
Mercury	0.000200	0.00020	mg/L		0.000200				0.00	20	
Matrix Spike (BC10303-MS1)	Matrix Spike	*Source sample: 21C0175-03 (Matrix Spike)							Prepared & Analyzed: 03/04/2021		
Mercury	0.00570		mg/L	0.0100	0.00020	55.0	75-125	Low Bias			
Batch BC11120 - EPA 7473 soil											
Blank (BC11120-BLK1)	Blank								Prepared: 03/18/2021 Analyzed: 03/19/2021		
Mercury	ND	0.0300	mg/kg wet								



Mercury by EPA 7000/200 Series Methods - 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 BC11120 - EPA 7473 soil											
Duplicate (BC11120-DUP1)	Duplicate	*Source sample: 21C0739-03 (Duplicate)						Prepared: 03/18/2021 Analyzed: 03/19/2021			
Mercury	0.0871	0.0327	mg/kg dry		0.103				16.8	35	
Matrix Spike (BC11120-MS1)	Matrix Spike	*Source sample: 21C0739-03 (Matrix Spike)						Prepared: 03/18/2021 Analyzed: 03/19/2021			
Mercury	0.509		mg/kg	0.500	0.0946	82.8	75-125				
Reference (BC11120-SRM1)	Reference							Prepared: 03/18/2021 Analyzed: 03/19/2021			
Mercury	28.890		mg/kg	27.2		106	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10070 - Analysis Preparation											
Blank (BC10070-BLK1)	Blank								Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BC10070-BS1)	LCS								Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	0.520	0.0100	mg/L	0.500		104	80-120				
Duplicate (BC10070-DUP1)	Duplicate	*Source sample: 21C0175-03 (Duplicate)							Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BC10070-MS1)	Matrix Spike	*Source sample: 21C0175-03 (Matrix Spike)							Prepared & Analyzed: 03/03/2021		
Chromium, Hexavalent	0.593	0.0100	mg/L	0.500	ND	119	75-125				
Batch BC10248 - EPA SW846-3060											
Blank (BC10248-BLK1)	Blank								Prepared & Analyzed: 03/04/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BC10248-DUP1)	Duplicate	*Source sample: 21C0184-05 (Duplicate)							Prepared & Analyzed: 03/04/2021		
Chromium, Hexavalent	ND	0.512	mg/kg dry		ND					35	
Matrix Spike (BC10248-MS1)	Matrix Spike	*Source sample: 21C0184-05 (Matrix Spike)							Prepared & Analyzed: 03/04/2021		
Chromium, Hexavalent	17.7	0.512	mg/kg dry	20.5	ND	86.6	75-125				
Matrix Spike (BC10248-MS2)	Matrix Spike	*Source sample: 21C0184-05 (Matrix Spike)							Prepared & Analyzed: 03/04/2021		
Chromium, Hexavalent	16.1	0.512	mg/kg dry	20.5	ND	78.8	75-125				
Reference (BC10248-SRM1)	Reference								Prepared & Analyzed: 03/04/2021		
Chromium, Hexavalent	66.5		mg/L	109		61.1	30-169.7				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10327 - Analysis Preparation Soil											
Blank (BC10327-BLK1)	Blank								Prepared & Analyzed: 03/05/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BC10327-DUP1)	Duplicate	*Source sample: 21C0203-07 (Duplicate)							Prepared & Analyzed: 03/05/2021		
Cyanide, total	ND	0.539	mg/kg dry		ND					15	
Matrix Spike (BC10327-MS1)	Matrix Spike	*Source sample: 21C0203-07 (Matrix Spike)							Prepared & Analyzed: 03/05/2021		
Cyanide, total	9.20	0.539	mg/kg dry	10.8	ND	85.3	79.6-107				
Reference (BC10327-SRM1)	Reference								Prepared & Analyzed: 03/05/2021		
Cyanide, total	91.3		ug/mL	91.9		99.3	42.22-159.96				
Batch BC10371 - Analysis Preparation											
Blank (BC10371-BLK1)	Blank								Prepared & Analyzed: 03/05/2021		
Cyanide, total	ND	0.0100	mg/L								
LCS (BC10371-BS1)	LCS								Prepared & Analyzed: 03/05/2021		
Cyanide, total	0.185	0.0100	mg/L	0.200		92.6	76.2-107				
Duplicate (BC10371-DUP1)	Duplicate	*Source sample: 21C0167-05 (SO_FB01_030321)							Prepared & Analyzed: 03/05/2021		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BC10371-MS1)	Matrix Spike	*Source sample: 21C0167-05 (SO_FB01_030321)							Prepared & Analyzed: 03/05/2021		
Cyanide, total	ND	0.0100	mg/L	0.200	ND		79-105	Low Bias			



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10358 - % Solids Prep

Duplicate (BC10358-DUP1)	Duplicate	*Source sample: 21C0282-26 (Duplicate)				Prepared: 03/05/2021 Analyzed: 03/08/2021			
% Solids	88.1	0.100	%		88.4			0.387	20

Batch BC10359 - % Solids Prep

Duplicate (BC10359-DUP1)	Duplicate	*Source sample: 21C0264-07 (Duplicate)				Prepared: 03/05/2021 Analyzed: 03/08/2021			
% Solids	83.8	0.100	%		84.1			0.294	20

Batch BC10913 - % Solids Prep

Duplicate (BC10913-DUP1)	Duplicate	*Source sample: 21C0672-11 (Duplicate)				Prepared & Analyzed: 03/16/2021			
% Solids	90.1	0.100	%		91.4			1.37	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0167-01	SB12_0-0.5	40mL Vial with Stir Bar-Cool 4° C
21C0167-02	SB12_0.5-2	40mL Vial with Stir Bar-Cool 4° C
21C0167-03	SB12_8-10	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0167-04	SB12_18-20	40mL Vial with Stir Bar-Cool 4° C
21C0167-05	SO_FB01_030321	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0167-07	TB01_030321	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
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).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-CRL	The RL check for this element recovered outside of control limits.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
S-08	The recovery of this surrogate was outside of QC limits.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogeneity of the sample verses the native sample
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

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.

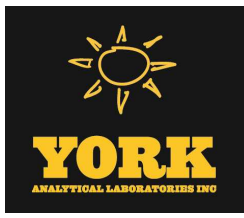
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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.

Revision Description: activated VOA and metals -04



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/22/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0267

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/22/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0267

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 04, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0267-01	EC_FB03_030421	Water	03/04/2021	03/04/2021
21C0267-02	SB07_0-2	Soil	03/04/2021	03/04/2021
21C0267-03	SB07_6-8	Soil	03/04/2021	03/04/2021
21C0267-04	SB07_13-15	Soil	03/04/2021	03/04/2021
21C0267-05	SB06_0-0.5	Soil	03/04/2021	03/04/2021
21C0267-06	SB06_0.5-2	Soil	03/04/2021	03/04/2021
21C0267-07	SB06_6-8	Soil	03/04/2021	03/04/2021
21C0267-08	SB06_22-24	Soil	03/04/2021	03/04/2021
21C0267-09	SODUP01_030421	Soil	03/04/2021	03/04/2021

General Notes for York Project (SDG) No.: 21C0267

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: 03/22/2021





Sample Information

Client Sample ID: EC_FB03_030421

York Sample ID: 21C0267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Water

March 4, 2021 10:30 am

03/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.50	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 22:16	WL



Sample Information

Client Sample ID: EC_FB03_030421

York Sample ID: 21C0267-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Water

March 4, 2021 10:30 am

03/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.00	1	EPA 537m	03/08/2021 18:46	03/10/2021 22:16	WL
Certifications:										
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		92.4 %	25-150							
Surrogate: M5PFHxA		97.2 %	25-150							
Surrogate: M4PFHpA		70.4 %	25-150							
Surrogate: M3PFHxS		82.1 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		94.3 %	25-150							
Surrogate: M6PFDA		105 %	25-150							
Surrogate: M7PFUdA		83.1 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		68.0 %	25-150							
Surrogate: M2PFTeDA		52.8 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		102 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		77.2 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		98.9 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		60.3 %	10-150							
Surrogate: d3-N-MeFOSAA		53.5 %	25-150							
Surrogate: d5-N-EtFOSAA		69.7 %	25-150							
Surrogate: M2-6:2 FTS		72.0 %	25-150							
Surrogate: M2-8:2 FTS		104 %	25-150							
Surrogate: M9PFNA		96.6 %	25-150							



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 8:40 am

03/04/2021

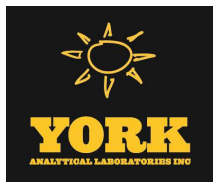
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 15:15	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 15:15	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
78-93-3	2-Butanone	0.0057	B, J	mg/kg dry	0.0022	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 8:40 am

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
67-64-1	Acetone	0.017		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-15-0	Carbon disulfide	0.0025	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
110-82-7	Cyclohexane	0.0034	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:40 am

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
108-87-2	Methylcyclohexane	0.0060		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-65-0	tert-Butyl alcohol (TBA)	0.073		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:40 am

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:15	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 15:15	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.2 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	107 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
91-57-6	2-Methylnaphthalene	0.0549	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:40 am

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
208-96-8	Acenaphthylene	0.0471	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
62-53-3	Aniline	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
120-12-7	Anthracene	0.180		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
56-55-3	Benzo(a)anthracene	0.483		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:40 am

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.492		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
205-99-2	Benzo(b)fluoranthene	0.374		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
191-24-2	Benzo(g,h,i)perylene	0.393		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
207-08-9	Benzo(k)fluoranthene	0.392		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0749	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
86-74-8	Carbazole	0.0856	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
218-01-9	Chrysene	0.464		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
53-70-3	Dibenzo(a,h)anthracene	0.117		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
132-64-9	Dibenzofuran	0.0492	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
206-44-0	Fluoranthene	0.911		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.
21C0267

Client Project ID
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March 4, 2021 8:40 am

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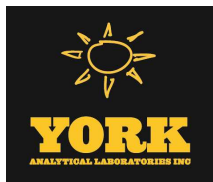
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0756	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.324		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
91-20-3	Naphthalene	0.0749	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
85-01-8	Phenanthrene	0.625		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
108-95-2	Phenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
129-00-0	Pyrene	0.866		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 19:36	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	22.1 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	45.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	57.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	55.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	43.3 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	82.2 %	24-116								



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.

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Soil

March 4, 2021 8:40 am

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Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.26	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 15:44	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	50.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.
21C0267

Client Project ID
170430001

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March 4, 2021 8:40 am

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.471	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 04:57	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	90.3 %
Surrogate: M5PFHxA	94.4 %
Surrogate: M4PFHpA	64.4 %
Surrogate: M3PFHxS	78.4 %
Surrogate: Perfluoro-n-[13C8]octanoic acid	90.6 %
Surrogate: M6PFDA	74.6 %
Surrogate: M7PFUdA	54.5 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	63.5 %
Surrogate: M2PFTeDA	59.1 %
Surrogate: Perfluoro-n-[13C4]butanoic acid	105 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	59.8 %
Surrogate: Perfluoro-n-[13C5]pentanoic acid	96.2 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	52.5 %
Surrogate: d3-N-MeFOSAA	31.6 %
Surrogate: d5-N-EtFOSAA	38.9 %
Surrogate: M2-6:2 FTS	67.0 %
Surrogate: M2-8:2 FTS	86.0 %
Surrogate: M9PFNA	99.9 %

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.
21C0267

Client Project ID
170430001

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March 4, 2021 8:40 am

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03/04/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 12:51	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 07:04	03/10/2021 12:51	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
72-20-8	Endrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 12:51	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 12:51	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0346	5	EPA 8081B Certifications:	03/09/2021 07:04	03/10/2021 12:51	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	111 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.3 %	30-150							



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

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21C0267

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March 4, 2021 8:40 am

Date Received
03/04/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:28	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications:	03/09/2021 07:04	03/09/2021 22:28	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	78.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	62.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0215	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 18:52	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0215	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 18:52	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0215	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 18:52	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	93.8 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:40 am

Date Received
03/04/2021

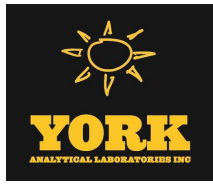
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6520		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-38-2	Arsenic	6.45		mg/kg dry	1.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-39-3	Barium	79.2		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-43-9	Cadmium	0.339		mg/kg dry	0.323	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-70-2	Calcium	60600		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-47-3	Chromium	26.6		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-48-4	Cobalt	4.76		mg/kg dry	0.431	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-50-8	Copper	33.1		mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7439-89-6	Iron	12900		mg/kg dry	26.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7439-92-1	Lead	34.0		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7439-95-4	Magnesium	8400		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7439-96-5	Manganese	230		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-02-0	Nickel	13.8		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-09-7	Potassium	1020	B	mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-22-4	Silver	ND		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-23-5	Sodium	290		mg/kg dry	53.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM
7440-62-2	Vanadium	22.8		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM



Sample Information

Client Sample ID: SB07_0-2

York Sample ID: 21C0267-02

York Project (SDG) No.

21C0267

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 4, 2021 8:40 am

Date Received

03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	78.3		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:27	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0884		mg/kg dry	0.0323	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2021 15:28	03/11/2021 19:55	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.538	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/08/2021 08:36	03/09/2021 08:36	OT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	26.6		mg/kg	0.500	1	Calculation Certifications:	03/11/2021 12:35	03/11/2021 18:08	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.538	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/08/2021 08:46	03/08/2021 14:52	JAG

Total 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
solids	* % Solids	92.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/09/2021 08:52	03/09/2021 13:39	JAG



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 8:45 am

03/04/2021

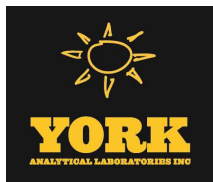
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 14:19	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 14:19	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
95-63-6	1,2,4-Trimethylbenzene	430		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
108-67-8	1,3,5-Trimethylbenzene	160		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	270	530	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
78-93-3	2-Butanone	30	J, B	mg/kg dry	13	53	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 8:45 am

03/04/2021

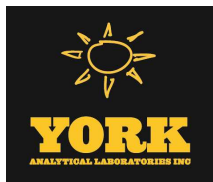
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
67-64-1	Acetone	ND		mg/kg dry	27	53	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
107-02-8	Acrolein	41	CCV-E, J	mg/kg dry	27	53	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
71-43-2	Benzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-25-2	Bromoform	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
74-83-9	Bromomethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-00-3	Chloroethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
67-66-3	Chloroform	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
74-87-3	Chloromethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
110-82-7	Cyclohexane	270		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 8:45 am

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	99		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
98-82-8	Isopropylbenzene	33		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
108-87-2	Methylcyclohexane	480		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	27	53	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
104-51-8	n-Butylbenzene	40		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
103-65-1	n-Propylbenzene	65		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
95-47-6	o-Xylene	62		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
179601-23-1	p- & m- Xylenes	300		mg/kg dry	27	53	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
100-42-5	Styrene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
108-88-3	Toluene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:45 am

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	13	27	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 14:19	KHA
1330-20-7	Xylenes, Total	360		mg/kg dry	40	80	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 14:19	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.4 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	99.0 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.191		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
91-57-6	2-Methylnaphthalene	6.74		mg/kg dry	0.242	0.483	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 13:43	CD



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 8:45 am

03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
83-32-9	Acenaphthene	0.332		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
208-96-8	Acenaphthylene	0.219		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
62-53-3	Aniline	ND		mg/kg dry	0.194	0.387	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
120-12-7	Anthracene	0.277		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
92-87-5	Benzidine	ND		mg/kg dry	0.194	0.387	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
56-55-3	Benzo(a)anthracene	0.815		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:45 am

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.943		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
205-99-2	Benzo(b)fluoranthene	0.726		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
191-24-2	Benzo(g,h,i)perylene	0.730		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
207-08-9	Benzo(k)fluoranthene	0.784		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
86-74-8	Carbazole	0.0780	J	mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
218-01-9	Chrysene	0.846		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
53-70-3	Dibenzo(a,h)anthracene	0.223		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
132-64-9	Dibenzofuran	0.144		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0967	0.193	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
206-44-0	Fluoranthene	1.33		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:45 am

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.275		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.604		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
91-20-3	Naphthalene	7.19		mg/kg dry	0.242	0.483	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 13:43	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
85-01-8	Phenanthrene	1.02		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
108-95-2	Phenol	ND		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
129-00-0	Pyrene	1.30		mg/kg dry	0.0484	0.0967	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
110-86-1	Pyridine	ND		mg/kg dry	0.194	0.387	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:07	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	73.3 %	S-08	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	65.1 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	190 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.1 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	101 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	96.5 %		24-116							



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:45 am

Date Received
03/04/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 16:02	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.0 %		39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL



Sample Information

Client Sample ID: SB07_6-8

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March 4, 2021 8:45 am

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.552	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 05:20	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		81.5 %	25-150							
Surrogate: M5PFHxA		81.9 %	25-150							
Surrogate: M4PFHpA		59.2 %	25-150							
Surrogate: M3PFHxS		73.2 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		78.2 %	25-150							
Surrogate: M6PFDA		69.0 %	25-150							
Surrogate: M7PFUDa		57.5 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		59.2 %	25-150							
Surrogate: M2PFTeDA		58.7 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		102 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		56.7 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		86.1 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		48.7 %	10-150							
Surrogate: d3-N-MeFOSAA		31.7 %	25-150							
Surrogate: d5-N-EtFOSAA		45.1 %	25-150							
Surrogate: M2-6:2 FTS		68.1 %	25-150							
Surrogate: M2-8:2 FTS		87.6 %	25-150							
Surrogate: M9PFNA		93.5 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

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21C0267

Client Project ID
170430001

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Date Received
03/04/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 13:08	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 07:04	03/10/2021 13:08	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 13:08	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:08	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications:	03/09/2021 07:04	03/10/2021 13:08	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	101 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.2 %	30-150							



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.
21C0267

Client Project ID
170430001

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Collection Date/Time
March 4, 2021 8:45 am

Date Received
03/04/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:42	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A Certifications:	03/09/2021 07:04	03/09/2021 22:42	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	94.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	67.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:03	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:03	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:03	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 112 %		21-150							

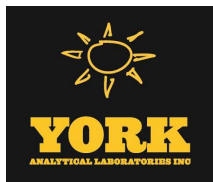
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0267

170430001

Soil

March 4, 2021 8:45 am

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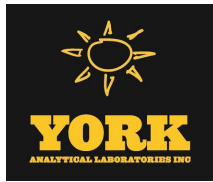
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5340		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-38-2	Arsenic	4.74		mg/kg dry	1.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-39-3	Barium	74.5		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-43-9	Cadmium	0.597		mg/kg dry	0.350	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-70-2	Calcium	6670		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-47-3	Chromium	12.8		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-48-4	Cobalt	5.74		mg/kg dry	0.467	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-50-8	Copper	26.4		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7439-89-6	Iron	10500		mg/kg dry	29.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7439-92-1	Lead	1750		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7439-95-4	Magnesium	1980		mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7439-96-5	Manganese	116		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-02-0	Nickel	17.6		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-09-7	Potassium	1080	B	mg/kg dry	5.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-22-4	Silver	ND		mg/kg dry	0.583	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-23-5	Sodium	161		mg/kg dry	58.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM
7440-62-2	Vanadium	15.6		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM



Sample Information

Client Sample ID: SB07_6-8

York Sample ID: 21C0267-03

York Project (SDG) No.

21C0267

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 4, 2021 8:45 am

Date Received

03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	518		mg/kg dry	2.92	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:30	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.620		mg/kg dry	0.0350	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2021 15:28	03/11/2021 20:05	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.583	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/09/2021 08:35	03/09/2021 18:03	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.8		mg/kg	0.500	1	Calculation Certifications:	03/11/2021 12:35	03/11/2021 18:08	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.583	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/08/2021 08:46	03/08/2021 14:52	JAG

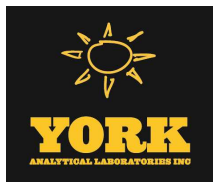
Total Solids

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
solids	* % Solids	85.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/09/2021 08:52	03/09/2021 13:39	JAG



Sample Information

Client Sample ID: SB07_13-15

York Sample ID: 21C0267-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 8:50 am

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 18:54	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 18:54	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
78-93-3	2-Butanone	0.0092	B, J	mg/kg dry	0.0024	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD



Sample Information

Client Sample ID: SB07_13-15

York Sample ID: 21C0267-04

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:50 am

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
67-64-1	Acetone	0.023		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
71-43-2	Benzene	0.083		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
110-82-7	Cyclohexane	0.023		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD



Sample Information

Client Sample ID: SB07_13-15

York Sample ID: 21C0267-04

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 8:50 am

Date Received
03/04/2021

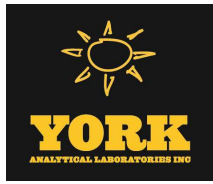
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
108-87-2	Methylcyclohexane	0.0076		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-65-0	tert-Butyl alcohol (TBA)	0.20	VOA-E	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD



Sample Information

Client Sample ID: SB07_13-15

York Sample ID: 21C0267-04

York Project (SDG) No.

21C0267

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 4, 2021 8:50 am

Date Received

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 18:54	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 18:54	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.1 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	107 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %		76-130							

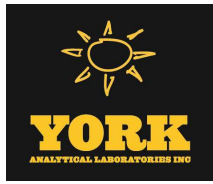
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11300		mg/kg dry	6.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-38-2	Arsenic	3.44		mg/kg dry	1.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-39-3	Barium	107		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-43-9	Cadmium	0.409		mg/kg dry	0.365	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-70-2	Calcium	13700		mg/kg dry	6.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-47-3	Chromium	23.0		mg/kg dry	0.608	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-48-4	Cobalt	9.56		mg/kg dry	0.486	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-50-8	Copper	17.2		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7439-89-6	Iron	20400		mg/kg dry	30.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7439-92-1	Lead	10.2		mg/kg dry	0.608	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7439-95-4	Magnesium	7230		mg/kg dry	6.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7439-96-5	Manganese	424		mg/kg dry	0.608	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM



Sample Information

Client Sample ID: SB07_13-15

York Sample ID: 21C0267-04

York Project (SDG) No.

21C0267

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 4, 2021 8:50 am

Date Received

03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	24.3		mg/kg dry	1.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-09-7	Potassium	3450	B	mg/kg dry	6.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-22-4	Silver	ND		mg/kg dry	0.608	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-23-5	Sodium	396		mg/kg dry	60.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-62-2	Vanadium	30.3		mg/kg dry	1.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM
7440-66-6	Zinc	46.2		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:01	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0365	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/18/2021 14:35	03/19/2021 15:04	BR

Total 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
solids	* % Solids	82.2		%	0.100	1	SM 2540G Certifications: CTDOH	03/16/2021 08:43	03/16/2021 15:52	OT



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:30 pm

03/04/2021

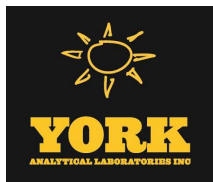
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/10/2021 06:47	03/10/2021 18:26	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/10/2021 06:47	03/10/2021 18:26	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	5.4	11	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
78-93-3	2-Butanone	0.71	J, B	mg/kg dry	0.27	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:30 pm

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
67-64-1	Acetone	ND		mg/kg dry	0.54	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.54	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
71-43-2	Benzene	2.0		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
110-82-7	Cyclohexane	3.1		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:30 pm

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
108-87-2	Methylcyclohexane	3.1		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.54	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
179601-23-1	p- & m- Xylenes	0.56	J	mg/kg dry	0.54	1.1	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
100-42-5	Styrene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
108-88-3	Toluene	0.36	J	mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:30 pm

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.27	0.54	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:26	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.81	1.6	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/10/2021 06:47	03/10/2021 18:26	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.1 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	99.4 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.2 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:30 pm

03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
62-53-3	Aniline	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
56-55-3	Benzo(a)anthracene	0.162		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:30 pm

03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.145		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
205-99-2	Benzo(b)fluoranthene	0.137		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
191-24-2	Benzo(g,h,i)perylene	0.128		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
207-08-9	Benzo(k)fluoranthene	0.122		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
218-01-9	Chrysene	0.181		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0904	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
206-44-0	Fluoranthene	0.260		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:30 pm

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.0925		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
85-01-8	Phenanthrene	0.142		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
108-95-2	Phenol	ND		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
129-00-0	Pyrene	0.286		mg/kg dry	0.0453	0.0904	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 20:39	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	51.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	68.7 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	41.1 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	99.2 %	24-116								



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:30 pm

03/04/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 16:20	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:30 pm

Date Received
03/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.538	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:04	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	76.7 %	25-150
Surrogate: M5PFHxA	81.6 %	25-150
Surrogate: M4PFHpA	53.8 %	25-150
Surrogate: M3PFHxS	63.9 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	73.1 %	25-150
Surrogate: M6PFDA	59.4 %	25-150
Surrogate: M7PFUdA	53.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	62.4 %	25-150
Surrogate: M2PFTeDA	55.1 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	85.9 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	52.1 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid	76.9 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	51.2 %	10-150
Surrogate: d3-N-MeFOSAA	27.6 %	25-150
Surrogate: d5-N-EtFOSAA	31.4 %	25-150
Surrogate: M2-6:2 FTS	54.0 %	25-150
Surrogate: M2-8:2 FTS	63.1 %	25-150
Surrogate: M9PFNA	88.0 %	25-150

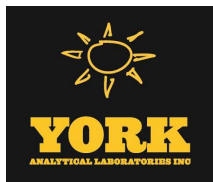
Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:30 pm

03/04/2021

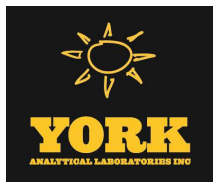
Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 13:25	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 07:04	03/10/2021 13:25	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
72-20-8	Endrin	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 13:25	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.178	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:25	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0355	5	EPA 8081B Certifications:	03/09/2021 07:04	03/10/2021 13:25	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	92.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.9 %	30-150							



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:30 pm

03/04/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 22:55	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	03/09/2021 07:04	03/09/2021 22:55	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	60.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:13	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:13	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:13	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	73.8 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.
21C0267

Client Project ID
170430001

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Collection Date/Time
March 4, 2021 12:30 pm

Date Received
03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5950		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-38-2	Arsenic	6.78		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-39-3	Barium	53.6		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.327	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-70-2	Calcium	82200		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-47-3	Chromium	28.9		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-48-4	Cobalt	4.98		mg/kg dry	0.437	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-50-8	Copper	18.0		mg/kg dry	2.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7439-89-6	Iron	9810		mg/kg dry	27.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7439-92-1	Lead	12.5		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7439-95-4	Magnesium	20900		mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7439-96-5	Manganese	161		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-02-0	Nickel	13.9		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-09-7	Potassium	970	B	mg/kg dry	5.46	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7782-49-2	Selenium	7.19		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-22-4	Silver	ND		mg/kg dry	0.546	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-23-5	Sodium	269		mg/kg dry	54.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM
7440-62-2	Vanadium	24.9		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM



Sample Information

Client Sample ID: SB06_0-0.5

York Sample ID: 21C0267-05

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:30 pm

Date Received
03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	36.4		mg/kg dry	2.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:33	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0327	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2021 15:28	03/11/2021 20:41	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	0.611		mg/kg dry	0.546	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/09/2021 08:35	03/09/2021 18:03	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	28.3		mg/kg	0.500	1	Calculation Certifications:	03/11/2021 12:35	03/11/2021 18:08	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.546	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/08/2021 08:46	03/08/2021 14:52	JAG

Total 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
solids	* % Solids	91.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/09/2021 08:52	03/09/2021 13:39	JAG



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:40 pm

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 15:11	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 15:11	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
95-63-6	1,2,4-Trimethylbenzene	2.2	J	mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	35	70	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
78-93-3	2-Butanone	3.7	J, B	mg/kg dry	1.8	7.0	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:40 pm

03/04/2021

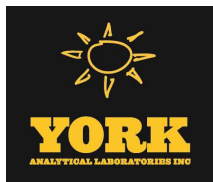
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
67-64-1	Acetone	ND		mg/kg dry	3.5	7.0	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
107-02-8	Acrolein	ND		mg/kg dry	3.5	7.0	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
71-43-2	Benzene	5.9		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-25-2	Bromoform	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
74-83-9	Bromomethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-00-3	Chloroethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
67-66-3	Chloroform	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
74-87-3	Chloromethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
110-82-7	Cyclohexane	48		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:40 pm

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	4.5		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
108-87-2	Methylcyclohexane	52		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	3.5	7.0	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
95-47-6	o-Xylene	2.2	J	mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
179601-23-1	p- & m- Xylenes	13		mg/kg dry	3.5	7.0	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
100-42-5	Styrene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
108-88-3	Toluene	2.8	J	mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:40 pm

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	1.8	3.5	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:11	KHA
1330-20-7	Xylenes, Total	16		mg/kg dry	5.3	11	500	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 15:11	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
91-57-6	2-Methylnaphthalene	0.111		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:40 pm

Date Received
03/04/2021

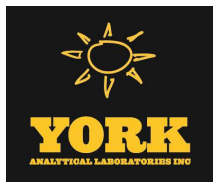
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
65794-96-9	3- & 4-Methylphenols	0.0567	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
83-32-9	Acenaphthene	0.692		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
208-96-8	Acenaphthylene	0.0710	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
120-12-7	Anthracene	2.86		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
56-55-3	Benzo(a)anthracene	10.8		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:40 pm

03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	9.28		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD
205-99-2	Benzo(b)fluoranthene	8.66		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD
191-24-2	Benzo(g,h,i)perylene	5.18		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD
207-08-9	Benzo(k)fluoranthene	8.42		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0545	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
86-74-8	Carbazole	1.20		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
218-01-9	Chrysene	10.5		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD
53-70-3	Dibenzo(a,h)anthracene	2.00		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
132-64-9	Dibenzofuran	0.337		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0898	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
206-44-0	Fluoranthene	22.9		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:40 pm

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.781		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
193-39-5	Indeno(1,2,3-cd)pyrene	4.69		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
91-20-3	Naphthalene	0.0538	J	mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
85-01-8	Phenanthrene	9.65		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD
108-95-2	Phenol	ND		mg/kg dry	0.0450	0.0898	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
129-00-0	Pyrene	18.7		mg/kg dry	0.562	1.12	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:14	CD
110-86-1	Pyridine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:10	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	49.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	62.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	27.5 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	88.9 %	24-116								



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:40 pm

Date Received
03/04/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 16:38	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.483	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:26	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		88.5 %	25-150							
Surrogate: M5PFHxA		94.3 %	25-150							
Surrogate: M4PFHpA		68.7 %	25-150							
Surrogate: M3PFHxS		73.6 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		97.6 %	25-150							
Surrogate: M6PFDA		82.3 %	25-150							
Surrogate: M7PFUdA		71.5 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		69.7 %	25-150							
Surrogate: M2PFTeDA		56.6 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		98.9 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		60.8 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		94.9 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		49.9 %	10-150							
Surrogate: d3-N-MeFOSAA		38.0 %	25-150							
Surrogate: d5-N-EtFOSAA		45.0 %	25-150							
Surrogate: M2-6:2 FTS		81.6 %	25-150							
Surrogate: M2-8:2 FTS		89.0 %	25-150							
Surrogate: M9PFNA		102 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.
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170430001

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March 4, 2021 12:40 pm

Date Received
03/04/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 13:41	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 07:04	03/10/2021 13:41	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 13:41	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:41	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0349	5	EPA 8081B Certifications:	03/09/2021 07:04	03/10/2021 13:41	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	69.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.4 %	30-150							



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.
21C0267

Client Project ID
170430001

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March 4, 2021 12:40 pm

Date Received
03/04/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:09	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A Certifications:	03/09/2021 07:04	03/09/2021 23:09	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	77.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	53.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0215	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:24	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0215	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:24	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0215	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:24	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	80.8 %	21-150							

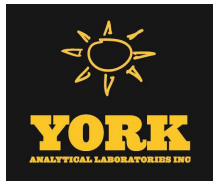
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

21C0267

170430001

Soil

March 4, 2021 12:40 pm

03/04/2021

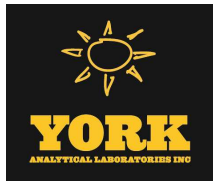
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6070		mg/kg dry	5.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-38-2	Arsenic	7.87		mg/kg dry	1.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-39-3	Barium	76.2		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.325	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-70-2	Calcium	63600		mg/kg dry	5.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-47-3	Chromium	28.5		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-48-4	Cobalt	4.74		mg/kg dry	0.433	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-50-8	Copper	137		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7439-89-6	Iron	8810		mg/kg dry	27.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7439-92-1	Lead	38.8		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7439-95-4	Magnesium	6000		mg/kg dry	5.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7439-96-5	Manganese	155		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-02-0	Nickel	19.7		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-09-7	Potassium	1220	B	mg/kg dry	5.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-22-4	Silver	ND		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-23-5	Sodium	287		mg/kg dry	54.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM
7440-62-2	Vanadium	17.9		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM



Sample Information

Client Sample ID: SB06_0.5-2

York Sample ID: 21C0267-06

York Project (SDG) No.

21C0267

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 4, 2021 12:40 pm

Date Received

03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	209		mg/kg dry	2.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:36	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0705		mg/kg dry	0.0325	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2021 15:28	03/11/2021 20:48	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.542	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/09/2021 08:35	03/09/2021 18:03	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	28.5		mg/kg	0.500	1	Calculation Certifications:	03/11/2021 12:35	03/11/2021 18:08	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.542	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/08/2021 08:46	03/08/2021 14:52	JAG

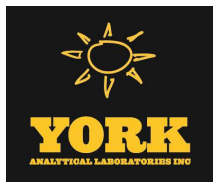
Total Solids

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
solids	* % Solids	92.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/09/2021 08:52	03/09/2021 13:39	JAG



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:20 pm

03/04/2021

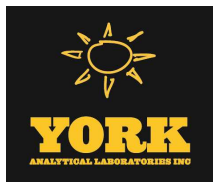
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 15:37	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 15:37	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
95-63-6	1,2,4-Trimethylbenzene	360		mg/kg dry	31	62	10000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:52	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
108-67-8	1,3,5-Trimethylbenzene	130		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	61	120	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
78-93-3	2-Butanone	7.9	J, B	mg/kg dry	3.0	12	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:20 pm

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
67-64-1	Acetone	ND		mg/kg dry	6.1	12	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
107-02-8	Acrolein	ND		mg/kg dry	6.1	12	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
71-43-2	Benzene	44		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-25-2	Bromoform	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
74-83-9	Bromomethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-00-3	Chloroethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
67-66-3	Chloroform	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
74-87-3	Chloromethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
110-82-7	Cyclohexane	180		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:20 pm

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	120		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
98-82-8	Isopropylbenzene	25		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
108-87-2	Methylcyclohexane	290		mg/kg dry	31	62	10000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 18:52	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	6.1	12	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
104-51-8	n-Butylbenzene	35		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
103-65-1	n-Propylbenzene	53		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
95-47-6	o-Xylene	10		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
179601-23-1	p- & m- Xylenes	310		mg/kg dry	6.1	12	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
99-87-6	p-Isopropyltoluene	7.3		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
100-42-5	Styrene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
108-88-3	Toluene	9.4		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:20 pm

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	3.0	6.1	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 15:37	KHA
1330-20-7	Xylenes, Total	320		mg/kg dry	9.1	18	1000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 15:37	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	99.6 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	97.9 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.378		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
91-57-6	2-Methylnaphthalene	14.4		mg/kg dry	0.481	0.960	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:46	CD



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:20 pm

03/04/2021

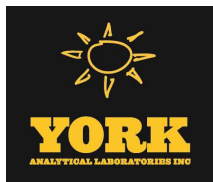
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
83-32-9	Acenaphthene	0.324		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
208-96-8	Acenaphthylene	0.0882	J	mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
62-53-3	Aniline	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
120-12-7	Anthracene	0.211		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
56-55-3	Benzo(a)anthracene	0.253		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:20 pm

03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.163		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
205-99-2	Benzo(b)fluoranthene	0.150		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
191-24-2	Benzo(g,h,i)perylene	0.0859	J	mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
207-08-9	Benzo(k)fluoranthene	0.144		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
218-01-9	Chrysene	0.308		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
132-64-9	Dibenzofuran	0.193		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0960	0.192	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
206-44-0	Fluoranthene	0.720		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:20 pm

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.397		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.0790	J	mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
91-20-3	Naphthalene	15.9		mg/kg dry	0.481	0.960	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 14:46	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
85-01-8	Phenanthrene	1.13		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
108-95-2	Phenol	ND		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
129-00-0	Pyrene	0.745		mg/kg dry	0.0481	0.0960	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
110-86-1	Pyridine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 21:42	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	59.8 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	51.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	200 %	S-08		22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.2 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	97.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.9 %			24-116						



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:20 pm

Date Received
03/04/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 16:55	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	42.0 %		39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.
21C0267

Client Project ID
170430001

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March 4, 2021 12:20 pm

Date Received
03/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.571	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 06:49	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		82.6 %	25-150							
Surrogate: M5PFHxA		83.7 %	25-150							
Surrogate: M4PFHpA		61.3 %	25-150							
Surrogate: M3PFHxS		70.0 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic acid		85.1 %	25-150							
Surrogate: M6PFDA		75.3 %	25-150							
Surrogate: M7PFUdA		58.7 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		57.6 %	25-150							
Surrogate: M2PFTeDA		50.3 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic acid		108 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfon		61.6 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic acid		82.5 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfon		42.7 %	10-150							
Surrogate: d3-N-MeFOSAA		39.5 %	25-150							
Surrogate: d5-N-EtFOSAA		53.0 %	25-150							
Surrogate: M2-6:2 FTS		69.2 %	25-150							
Surrogate: M2-8:2 FTS		94.2 %	25-150							
Surrogate: M9PFNA		97.3 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

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03/04/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 13:58	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 07:04	03/10/2021 13:58	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
72-20-8	Endrin	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 13:58	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.190	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 13:58	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0380	5	EPA 8081B Certifications:	03/09/2021 07:04	03/10/2021 13:58	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	73.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	60.0 %	30-150							



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:20 pm

Date Received
03/04/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:22	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0192	1	EPA 8082A Certifications:	03/09/2021 07:04	03/09/2021 23:22	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	73.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	58.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:46	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:46	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0227	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:46	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	72.0 %	21-150							

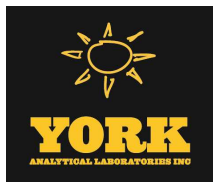
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:20 pm

03/04/2021

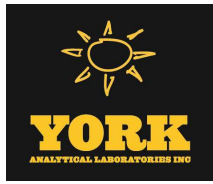
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6420		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-38-2	Arsenic	5.44		mg/kg dry	1.74	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-39-3	Barium	157		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.348	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-70-2	Calcium	7360		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-47-3	Chromium	14.2		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-48-4	Cobalt	5.75		mg/kg dry	0.463	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-50-8	Copper	53.4		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7439-89-6	Iron	12500		mg/kg dry	29.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7439-92-1	Lead	99.4		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7439-95-4	Magnesium	2230		mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7439-96-5	Manganese	143		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-02-0	Nickel	16.5		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-09-7	Potassium	1670	B	mg/kg dry	5.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-22-4	Silver	ND		mg/kg dry	0.579	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-23-5	Sodium	151		mg/kg dry	57.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM
7440-62-2	Vanadium	17.8		mg/kg dry	1.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM



Sample Information

Client Sample ID: SB06_6-8

York Sample ID: 21C0267-07

York Project (SDG) No.

21C0267

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 4, 2021 12:20 pm

Date Received

03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	99.4		mg/kg dry	2.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:38	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.382		mg/kg dry	0.0348	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2021 15:28	03/11/2021 20:58	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.579	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/09/2021 08:35	03/09/2021 18:03	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.2		mg/kg	0.500	1	Calculation Certifications:	03/11/2021 12:35	03/11/2021 18:08	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.579	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/08/2021 08:46	03/08/2021 14:52	JAG

Total 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
solids	* % Solids	86.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/09/2021 08:52	03/09/2021 13:39	JAG



Sample Information

Client Sample ID: SB06_22-24

York Sample ID: 21C0267-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 1:00 pm

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 17:32	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 17:32	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.064	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
78-93-3	2-Butanone	0.011	B, J	mg/kg dry	0.0032	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD



Sample Information

Client Sample ID: SB06_22-24

York Sample ID: 21C0267-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 1:00 pm

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
67-64-1	Acetone	0.019		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-15-0	Carbon disulfide	0.0078		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD



Sample Information

Client Sample ID: SB06_22-24

York Sample ID: 21C0267-08

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 1:00 pm

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
100-42-5	Styrene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD



Sample Information

Client Sample ID: SB06_22-24

York Sample ID: 21C0267-08

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 1:00 pm

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 17:32	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 17:32	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.1 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	109 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH



Sample Information

Client Sample ID: SB06_22-24

York Sample ID: 21C0267-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 1:00 pm

03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.243	0.485	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
120-12-7	Anthracene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
1912-24-9	Atrazine	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
100-52-7	Benzaldehyde	0.275		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.243	0.485	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH



Sample Information

Client Sample ID: SB06_22-24

York Sample ID: 21C0267-08

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 1:00 pm

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
65-85-0	Benzoic acid	0.0746	J	mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
218-01-9	Chrysene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
122-39-4	Diphenylamine	ND		mg/kg dry	0.121	0.242	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
206-44-0	Fluoranthene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH



Sample Information

Client Sample ID: SB06_22-24

York Sample ID: 21C0267-08

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 1:00 pm

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
91-20-3	Naphthalene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
85-01-8	Phenanthrene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
108-95-2	Phenol	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
129-00-0	Pyrene	ND		mg/kg dry	0.0608	0.121	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH
110-86-1	Pyridine	ND		mg/kg dry	0.243	0.485	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 06:03	03/17/2021 21:55	KH

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	53.7 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	52.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	51.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.9 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	81.0 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.2 %	24-116



Sample Information

Client Sample ID: SB06_22-24

York Sample ID: 21C0267-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 1:00 pm

03/04/2021

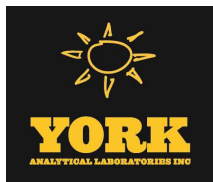
Total Solids

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
solids	* % Solids	68.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/16/2021 08:43	03/16/2021 15:52	OT



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:00 am

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 16:02	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 16:02	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
95-63-6	1,2,4-Trimethylbenzene	410		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
108-67-8	1,3,5-Trimethylbenzene	140		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	290	580	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
78-93-3	2-Butanone	34	J, B	mg/kg dry	14	58	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:00 am

03/04/2021

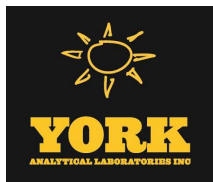
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
67-64-1	Acetone	ND		mg/kg dry	29	58	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
107-02-8	Acrolein	ND		mg/kg dry	29	58	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
71-43-2	Benzene	60		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-25-2	Bromoform	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
74-83-9	Bromomethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-00-3	Chloroethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
67-66-3	Chloroform	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
74-87-3	Chloromethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
110-82-7	Cyclohexane	230		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:00 am

03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	140		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
98-82-8	Isopropylbenzene	29		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
108-87-2	Methylcyclohexane	360		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	29	58	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
104-51-8	n-Butylbenzene	38		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
103-65-1	n-Propylbenzene	61		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
95-47-6	o-Xylene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
179601-23-1	p- & m- Xylenes	320		mg/kg dry	29	58	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
100-42-5	Styrene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
108-88-3	Toluene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:00 am

Date Received
03/04/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	14	29	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 16:02	KHA
1330-20-7	Xylenes, Total	320		mg/kg dry	43	86	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 16:02	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	101 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	0.388		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
91-57-6	2-Methylnaphthalene	15.1		mg/kg dry	0.476	0.949	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 15:17	CD



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:00 am

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
83-32-9	Acenaphthene	0.385		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
208-96-8	Acenaphthylene	0.0956		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
120-12-7	Anthracene	0.218		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
56-55-3	Benzo(a)anthracene	0.253		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:00 am

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.167		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
205-99-2	Benzo(b)fluoranthene	0.155		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
191-24-2	Benzo(g,h,i)perylene	0.105		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
207-08-9	Benzo(k)fluoranthene	0.140		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
218-01-9	Chrysene	0.317		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
132-64-9	Dibenzofuran	0.215		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0949	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
206-44-0	Fluoranthene	0.694		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:00 am

Date Received
03/04/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.409		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.0736	J	mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
91-20-3	Naphthalene	17.3		mg/kg dry	0.476	0.949	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/10/2021 15:17	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
85-01-8	Phenanthrene	1.17		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
108-95-2	Phenol	ND		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
129-00-0	Pyrene	0.691		mg/kg dry	0.0476	0.0949	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:15	03/09/2021 22:13	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	68.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	56.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	215 %	S-08	22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.4 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	98.2 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	89.3 %		24-116							



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:00 am

Date Received
03/04/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.52	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 17:13	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	42.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

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March 4, 2021 12:00 am

Date Received
03/04/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.517	1	EPA 537m Certifications:	03/08/2021 18:53	03/11/2021 07:11	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		87.9 %	25-150							
Surrogate: M5PFHxA		91.8 %	25-150							
Surrogate: M4PFHpA		60.2 %	25-150							
Surrogate: M3PFHxS		72.1 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		78.3 %	25-150							
Surrogate: M6PFDA		79.9 %	25-150							
Surrogate: M7PFUDa		55.8 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		48.4 %	25-150							
Surrogate: M2PFTeDA		50.7 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		108 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		70.7 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		96.4 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		66.9 %	10-150							
Surrogate: d3-N-MeFOSAA		45.5 %	25-150							
Surrogate: d5-N-EtFOSAA		51.9 %	25-150							
Surrogate: M2-6:2 FTS		61.2 %	25-150							
Surrogate: M2-8:2 FTS		64.5 %	25-150							
Surrogate: M9PFNA		118 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
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Matrix
Soil

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March 4, 2021 12:00 am

Date Received
03/04/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 14:15	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 07:04	03/10/2021 14:15	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 07:04	03/10/2021 14:15	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/10/2021 14:15	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0368	5	EPA 8081B Certifications:	03/09/2021 07:04	03/10/2021 14:15	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	65.0 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	48.9 %	30-150							



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:00 am

Date Received
03/04/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 07:04	03/09/2021 23:36	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	03/09/2021 07:04	03/09/2021 23:36	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	57.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	47.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0224	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:56	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0224	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:56	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0224	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 06:58	03/09/2021 19:56	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	103 %	21-150							

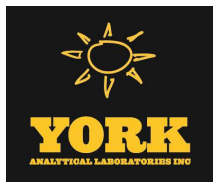
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0267

170430001

Soil

March 4, 2021 12:00 am

03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5990		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-38-2	Arsenic	5.81		mg/kg dry	1.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-39-3	Barium	159		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.344	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-70-2	Calcium	12200		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-47-3	Chromium	10.4		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-48-4	Cobalt	5.42		mg/kg dry	0.458	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-50-8	Copper	56.4		mg/kg dry	2.29	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7439-89-6	Iron	12300		mg/kg dry	28.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7439-92-1	Lead	108		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7439-95-4	Magnesium	2150		mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7439-96-5	Manganese	164		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-02-0	Nickel	16.0		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-09-7	Potassium	1330	B	mg/kg dry	5.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-22-4	Silver	ND		mg/kg dry	0.573	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-23-5	Sodium	136		mg/kg dry	57.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM
7440-62-2	Vanadium	17.0		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM



Sample Information

Client Sample ID: SODUP01_030421

York Sample ID: 21C0267-09

York Project (SDG) No.
21C0267

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 4, 2021 12:00 am

Date Received
03/04/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	109		mg/kg dry	2.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/08/2021 19:25	03/10/2021 16:41	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.444		mg/kg dry	0.0344	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/11/2021 15:28	03/11/2021 21:07	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.573	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/09/2021 08:35	03/09/2021 18:03	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	10.4		mg/kg	0.500	1	Calculation Certifications:	03/11/2021 12:35	03/11/2021 18:08	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.573	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 08:40	03/09/2021 14:26	OT

Total 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
solids	* % Solids	87.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/09/2021 08:52	03/09/2021 13:39	JAG



Analytical Batch Summary

Batch ID: BC10414 **Preparation Method:** EPA SW846-3060 **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/08/21
BC10414-BLK1	Blank	03/08/21
BC10414-DUP1	Duplicate	03/08/21
BC10414-MS1	Matrix Spike	03/08/21
BC10414-MS2	Matrix Spike	03/08/21
BC10414-SRM1	Reference	03/08/21

Batch ID: BC10418 **Preparation Method:** Analysis Preparation Soil **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/08/21
21C0267-03	SB07_6-8	03/08/21
21C0267-05	SB06_0-0.5	03/08/21
21C0267-06	SB06_0.5-2	03/08/21
21C0267-07	SB06_6-8	03/08/21
BC10418-BLK1	Blank	03/08/21
BC10418-DUP1	Duplicate	03/08/21
BC10418-MS1	Matrix Spike	03/08/21
BC10418-SRM1	Reference	03/08/21

Batch ID: BC10455 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/08/21
21C0267-04	SB07_13-15	03/08/21
21C0267-08	SB06_22-24	03/08/21
BC10455-BLK1	Blank	03/08/21
BC10455-BLK2	Blank	03/08/21
BC10455-BLK3	Blank	03/08/21
BC10455-BLK4	Blank	03/08/21
BC10455-BS1	LCS	03/08/21
BC10455-BSD1	LCS Dup	03/08/21

Batch ID: BC10474 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-01	EC_FB03_030421	03/08/21
BC10474-BLK1	Blank	03/08/21
BC10474-BS1	LCS	03/08/21
BC10474-BSD1	LCS Dup	03/08/21
BC10474-MS1	Matrix Spike	03/08/21
BC10474-MS2	Matrix Spike	03/08/21



Batch ID: BC10475 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/08/21
21C0267-03	SB07_6-8	03/08/21
21C0267-05	SB06_0-0.5	03/08/21
21C0267-06	SB06_0.5-2	03/08/21
21C0267-07	SB06_6-8	03/08/21
21C0267-09	SODUP01_030421	03/08/21
BC10475-BLK1	Blank	03/08/21
BC10475-BS1	LCS	03/08/21
BC10475-MS1	Matrix Spike	03/08/21
BC10475-MSD1	Matrix Spike Dup	03/08/21

Batch ID: BC10478 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/08/21
21C0267-03	SB07_6-8	03/08/21
21C0267-05	SB06_0-0.5	03/08/21
21C0267-06	SB06_0.5-2	03/08/21
21C0267-07	SB06_6-8	03/08/21
21C0267-09	SODUP01_030421	03/08/21
BC10478-BLK1	Blank	03/08/21
BC10478-DUP1	Duplicate	03/08/21
BC10478-MS1	Matrix Spike	03/08/21
BC10478-PS1	Post Spike	03/08/21
BC10478-SRM1	Reference	03/08/21

Batch ID: BC10488 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/09/21
21C0267-03	SB07_6-8	03/09/21
21C0267-05	SB06_0-0.5	03/09/21
21C0267-06	SB06_0.5-2	03/09/21
21C0267-07	SB06_6-8	03/09/21
21C0267-09	SODUP01_030421	03/09/21
BC10488-BLK1	Blank	03/09/21
BC10488-BS1	LCS	03/09/21
BC10488-MS1	Matrix Spike	03/09/21
BC10488-MSD1	Matrix Spike Dup	03/09/21

Batch ID: BC10491 **Preparation Method:** EPA 3550C **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/09/21
21C0267-02	SB07_0-2	03/09/21
21C0267-03	SB07_6-8	03/09/21
21C0267-03	SB07_6-8	03/09/21



21C0267-05	SB06_0-0.5	03/09/21
21C0267-05	SB06_0-0.5	03/09/21
21C0267-06	SB06_0.5-2	03/09/21
21C0267-06	SB06_0.5-2	03/09/21
21C0267-07	SB06_6-8	03/09/21
21C0267-07	SB06_6-8	03/09/21
21C0267-09	SODUP01_030421	03/09/21
21C0267-09	SODUP01_030421	03/09/21
BC10491-BLK1	Blank	03/09/21
BC10491-BLK2	Blank	03/09/21
BC10491-BS1	LCS	03/09/21
BC10491-BS2	LCS	03/09/21
BC10491-MS1	Matrix Spike	03/09/21
BC10491-MS2	Matrix Spike	03/09/21
BC10491-MSD1	Matrix Spike Dup	03/09/21
BC10491-MSD2	Matrix Spike Dup	03/09/21

Batch ID: BC10492 **Preparation Method:** EPA 3546 SVOA **Prepared By:** YG

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/09/21
21C0267-03	SB07_6-8	03/09/21
21C0267-03RE1	SB07_6-8	03/09/21
21C0267-05	SB06_0-0.5	03/09/21
21C0267-06	SB06_0.5-2	03/09/21
21C0267-06RE1	SB06_0.5-2	03/09/21
21C0267-07	SB06_6-8	03/09/21
21C0267-07RE1	SB06_6-8	03/09/21
21C0267-09	SODUP01_030421	03/09/21
21C0267-09RE1	SODUP01_030421	03/09/21
BC10492-BLK1	Blank	03/09/21
BC10492-BS1	LCS	03/09/21
BC10492-MS1	Matrix Spike	03/09/21
BC10492-MSD1	Matrix Spike Dup	03/09/21

Batch ID: BC10500 **Preparation Method:** EPA SW846-3060 **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-03	SB07_6-8	03/09/21
21C0267-05	SB06_0-0.5	03/09/21
21C0267-06	SB06_0.5-2	03/09/21
21C0267-07	SB06_6-8	03/09/21
21C0267-09	SODUP01_030421	03/09/21
BC10500-BLK1	Blank	03/09/21
BC10500-DUP1	Duplicate	03/09/21
BC10500-MS1	Matrix Spike	03/09/21
BC10500-MS2	Matrix Spike	03/09/21
BC10500-SRM1	Reference	03/09/21



Batch ID: BC10501

Preparation Method: Analysis Preparation Soil

Prepared By: OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-09	SODUP01_030421	03/09/21
BC10501-BLK1	Blank	03/09/21
BC10501-DUP1	Duplicate	03/09/21
BC10501-MS1	Matrix Spike	03/09/21
BC10501-SRM1	Reference	03/09/21

Batch ID: BC10503

Preparation Method: % Solids Prep

Prepared By: JAG

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/09/21
21C0267-03	SB07_6-8	03/09/21
21C0267-05	SB06_0-0.5	03/09/21
21C0267-06	SB06_0.5-2	03/09/21
21C0267-07	SB06_6-8	03/09/21
21C0267-09	SODUP01_030421	03/09/21
BC10503-DUP1	Duplicate	03/09/21

Batch ID: BC10554

Preparation Method: EPA 5035A

Prepared By: MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-03	SB07_6-8	03/09/21
21C0267-06	SB06_0.5-2	03/09/21
21C0267-07	SB06_6-8	03/09/21
21C0267-09	SODUP01_030421	03/09/21
BC10554-BLK1	Blank	03/09/21
BC10554-BLK2	Blank	03/09/21
BC10554-BS1	LCS	03/09/21
BC10554-BSD1	LCS Dup	03/09/21

Batch ID: BC10568

Preparation Method: EPA 3550C

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/10/21
21C0267-03	SB07_6-8	03/10/21
21C0267-05	SB06_0-0.5	03/10/21
21C0267-06	SB06_0.5-2	03/10/21
21C0267-07	SB06_6-8	03/10/21
21C0267-09	SODUP01_030421	03/10/21
BC10568-BLK1	Blank	03/10/21
BC10568-BS1	LCS	03/10/21
BC10568-MS1	Matrix Spike	03/10/21
BC10568-MS2	Matrix Spike	03/10/21
BC10568-MSD1	Matrix Spike Dup	03/10/21
BC10568-MSD2	Matrix Spike Dup	03/10/21

**Batch ID:** BC10604**Preparation Method:** EPA 5035A**Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-05	SB06_0-0.5	03/10/21
21C0267-07RE1	SB06_6-8	03/10/21
BC10604-BLK1	Blank	03/10/21
BC10604-BLK2	Blank	03/10/21
BC10604-BS1	LCS	03/10/21
BC10604-BSD1	LCS Dup	03/10/21

Batch ID: BC10686**Preparation Method:** Analysis Preparation**Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/11/21
21C0267-03	SB07_6-8	03/11/21
21C0267-05	SB06_0-0.5	03/11/21
21C0267-06	SB06_0.5-2	03/11/21
21C0267-07	SB06_6-8	03/11/21
21C0267-09	SODUP01_030421	03/11/21

Batch ID: BC10702**Preparation Method:** EPA 7473 soil**Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-02	SB07_0-2	03/11/21
21C0267-03	SB07_6-8	03/11/21
21C0267-05	SB06_0-0.5	03/11/21
21C0267-06	SB06_0.5-2	03/11/21
21C0267-07	SB06_6-8	03/11/21
21C0267-09	SODUP01_030421	03/11/21
BC10702-BLK1	Blank	03/11/21
BC10702-DUP1	Duplicate	03/11/21
BC10702-MS1	Matrix Spike	03/11/21
BC10702-SRM1	Reference	03/11/21

Batch ID: BC10913**Preparation Method:** % Solids Prep**Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-04	SB07_13-15	03/16/21
21C0267-08	SB06_22-24	03/16/21
BC10913-DUP1	Duplicate	03/16/21

Batch ID: BC10983**Preparation Method:** EPA 3546 SVOA**Prepared By:** YG

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-08	SB06_22-24	03/17/21
BC10983-BLK1	Blank	03/17/21
BC10983-BS1	LCS	03/17/21
BC10983-MS1	Matrix Spike	03/17/21
BC10983-MSD1	Matrix Spike Dup	03/17/21



Batch ID: BC11055

Preparation Method: EPA 3050B

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-04	SB07_13-15	03/17/21
BC11055-BLK1	Blank	03/17/21
BC11055-DUP1	Duplicate	03/17/21
BC11055-MS1	Matrix Spike	03/17/21
BC11055-PS1	Post Spike	03/17/21
BC11055-SRM1	Reference	03/17/21

Batch ID: BC11120

Preparation Method: EPA 7473 soil

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0267-04	SB07_13-15	03/18/21
BC11120-BLK1	Blank	03/18/21
BC11120-DUP1	Duplicate	03/18/21
BC11120-MS1	Matrix Spike	03/18/21
BC11120-SRM1	Reference	03/18/21



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 BC10455 - EPA 5035A											
Blank (BC10455-BLK1)	Blank										Prepared & Analyzed: 03/08/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0051	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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 BC10455 - EPA 5035A

Blank (BC10455-BLK1)	Blank								Prepared & Analyzed: 03/08/2021
n-Butylbenzene	ND	0.0050	mg/kg wet						
n-Propylbenzene	ND	0.0050	"						
o-Xylene	ND	0.0050	"						
p- & m- Xylenes	ND	0.010	"						
p-Isopropyltoluene	ND	0.0050	"						
sec-Butylbenzene	ND	0.0050	"						
Styrene	ND	0.0050	"						
tert-Butyl alcohol (TBA)	ND	0.0050	"						
tert-Butylbenzene	ND	0.0050	"						
Tetrachloroethylene	ND	0.0050	"						
Toluene	ND	0.0050	"						
trans-1,2-Dichloroethylene	ND	0.0050	"						
trans-1,3-Dichloropropylene	ND	0.0050	"						
Trichloroethylene	ND	0.0050	"						
Trichlorofluoromethane	ND	0.0050	"						
Vinyl Chloride	ND	0.0050	"						
Xylenes, Total	ND	0.015	"						
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	48.8		ug/L	50.0		97.6	77-125		
<i>Surrogate: SURR: Toluene-d8</i>	54.0		"	50.0		108	85-120		
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	52.9		"	50.0		106	76-130		

Blank (BC10455-BLK2)	Blank								Prepared & Analyzed: 03/08/2021
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet						
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	"						
1,2,3-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	"						
1,4-Dichlorobenzene	ND	0.50	"						
1,4-Dioxane	ND	10	"						
2-Butanone	0.75	0.50	"						
2-Hexanone	ND	0.50	"						
4-Methyl-2-pentanone	ND	0.50	"						
Acetone	ND	1.0	"						
Acrolein	ND	1.0	"						
Acrylonitrile	ND	0.50	"						
Benzene	ND	0.50	"						
Bromochloromethane	ND	0.50	"						
Bromodichloromethane	ND	0.50	"						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10455 - EPA 5035A

Blank (BC10455-BLK2)	Blank		Prepared & Analyzed: 03/08/2021								
Bromoform	ND	0.50	mg/kg wet								
Bromomethane	0.27	0.50	"								
Carbon disulfide	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	"								
Cyclohexane	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 acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	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: SURR: 1,2-Dichloroethane-d4	49.1		ug/L	50.0		98.2	77-125				
Surrogate: SURR: Toluene-d8	54.2		"	50.0		108	85-120				
Surrogate: SURR: p-Bromofluorobenzene	55.0		"	50.0		110	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10455 - EPA 5035A

Blank (BC10455-BLK3)		HOLDING BLANK- 21C0267						Prepared & Analyzed: 03/08/2021			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0046	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10455 - EPA 5035A

Blank (BC10455-BLK3)		HOLDING BLANK- 21C0267						Prepared & Analyzed: 03/08/2021			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	47.8		ug/L	50.0		95.6	77-125				
Surrogate: SURR: Toluene-d8	53.5		"	50.0		107	85-120				
Surrogate: SURR: p-Bromofluorobenzene	53.2		"	50.0		106	76-130				

Blank (BC10455-BLK4)		HOLDING BLANK- 21C0269						Prepared & Analyzed: 03/08/2021			
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0053	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BC10455 - EPA 5035A

Blank (BC10455-BLK4)		HOLDING BLANK- 21C0269						Prepared & Analyzed: 03/08/2021			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	49.0		ug/L	50.0		98.1	77-125				
Surrogate: SURR: Toluene-d8	54.1		"	50.0		108	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.1		"	50.0		108	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10455 - EPA 5035A											
LCS (BC10455-BS1)	LCS	Prepared & Analyzed: 03/08/2021									
1,1,1,2-Tetrachloroethane	53.8		ug/L	50.0		108	75-129				
1,1,1-Trichloroethane	50.6		"	50.0		101	71-137				
1,1,2,2-Tetrachloroethane	56.8		"	50.0		114	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57.4		"	50.0		115	58-146				
1,1,2-Trichloroethane	54.8		"	50.0		110	83-123				
1,1-Dichloroethane	44.9		"	50.0		89.9	75-130				
1,1-Dichloroethylene	47.7		"	50.0		95.4	64-137				
1,2,3-Trichlorobenzene	56.0		"	50.0		112	81-140				
1,2,3-Trichloropropane	55.5		"	50.0		111	81-126				
1,2,4-Trichlorobenzene	59.5		"	50.0		119	80-141				
1,2,4-Trimethylbenzene	58.6		"	50.0		117	84-125				
1,2-Dibromo-3-chloropropane	55.5		"	50.0		111	74-142				
1,2-Dibromoethane	55.8		"	50.0		112	86-123				
1,2-Dichlorobenzene	57.1		"	50.0		114	85-122				
1,2-Dichloroethane	45.1		"	50.0		90.1	71-133				
1,2-Dichloropropane	50.4		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	58.9		"	50.0		118	82-126				
1,3-Dichlorobenzene	55.8		"	50.0		112	84-124				
1,4-Dichlorobenzene	55.8		"	50.0		112	84-124				
1,4-Dioxane	1290		"	1050		123	10-228				
2-Butanone	45.0		"	50.0		90.0	58-147				
2-Hexanone	46.6		"	50.0		93.2	70-139				
4-Methyl-2-pentanone	45.1		"	50.0		90.3	72-132				
Acetone	32.6		"	50.0		65.1	36-155				
Acrolein	58.4		"	50.0		117	10-238				
Acrylonitrile	44.3		"	50.0		88.6	66-141				
Benzene	51.1		"	50.0		102	77-127				
Bromochloromethane	43.7		"	50.0		87.4	74-129				
Bromodichloromethane	53.2		"	50.0		106	81-124				
Bromoform	52.5		"	50.0		105	80-136				
Bromomethane	61.4		"	50.0		123	32-177				
Carbon disulfide	52.4		"	50.0		105	10-136				
Carbon tetrachloride	52.0		"	50.0		104	66-143				
Chlorobenzene	55.1		"	50.0		110	86-120				
Chloroethane	54.0		"	50.0		108	51-142				
Chloroform	48.2		"	50.0		96.4	76-131				
Chloromethane	53.8		"	50.0		108	49-132				
cis-1,2-Dichloroethylene	47.0		"	50.0		94.1	74-132				
cis-1,3-Dichloropropylene	55.5		"	50.0		111	81-129				
Cyclohexane	45.9		"	50.0		91.8	70-130				
Dibromochloromethane	56.8		"	50.0		114	10-200				
Dibromomethane	53.6		"	50.0		107	83-124				
Dichlorodifluoromethane	57.6		"	50.0		115	28-158				
Ethyl Benzene	54.3		"	50.0		109	84-125				
Hexachlorobutadiene	55.0		"	50.0		110	83-133				
Isopropylbenzene	56.7		"	50.0		113	81-127				
Methyl acetate	41.0		"	50.0		82.0	41-143				
Methyl tert-butyl ether (MTBE)	49.1		"	50.0		98.2	74-131				
Methylcyclohexane	55.1		"	50.0		110	70-130				
Methylene chloride	45.3		"	50.0		90.6	57-141				
n-Butylbenzene	56.5		"	50.0		113	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10455 - EPA 5035A											
LCS (BC10455-BS1)	LCS		Prepared & Analyzed: 03/08/2021								
n-Propylbenzene	55.4		ug/L	50.0		111	74-136				
o-Xylene	53.3		"	50.0		107	83-123				
p- & m- Xylenes	111		"	100		111	82-128				
p-Isopropyltoluene	60.0		"	50.0		120	85-125				
sec-Butylbenzene	60.5		"	50.0		121	83-125				
Styrene	56.3		"	50.0		113	86-126				
tert-Butyl alcohol (TBA)	268		"	250		107	70-130				
tert-Butylbenzene	50.4		"	50.0		101	80-127				
Tetrachloroethylene	48.4		"	50.0		96.8	80-129				
Toluene	52.6		"	50.0		105	85-121				
trans-1,2-Dichloroethylene	49.1		"	50.0		98.3	72-132				
trans-1,3-Dichloropropylene	57.2		"	50.0		114	78-132				
Trichloroethylene	56.5		"	50.0		113	84-123				
Trichlorofluoromethane	54.6		"	50.0		109	62-140				
Vinyl Chloride	58.8		"	50.0		118	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	47.0		"	50.0		93.9	77-125				
Surrogate: SURR: Toluene-d8	54.3		"	50.0		109	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.3	76-130				
LCS Dup (BC10455-BS1)	LCS Dup		Prepared & Analyzed: 03/08/2021								
1,1,1,2-Tetrachloroethane	54.7		ug/L	50.0		109	75-129		1.53	30	
1,1,1-Trichloroethane	50.2		"	50.0		100	71-137		0.912	30	
1,1,2,2-Tetrachloroethane	59.3		"	50.0		119	79-129		4.43	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56.9		"	50.0		114	58-146		0.874	30	
1,1,2-Trichloroethane	56.9		"	50.0		114	83-123		3.72	30	
1,1-Dichloroethane	45.7		"	50.0		91.3	75-130		1.61	30	
1,1-Dichloroethylene	47.8		"	50.0		95.7	64-137		0.293	30	
1,2,3-Trichlorobenzene	56.5		"	50.0		113	81-140		0.818	30	
1,2,3-Trichloropropane	57.6		"	50.0		115	81-126		3.70	30	
1,2,4-Trichlorobenzene	59.0		"	50.0		118	80-141		0.794	30	
1,2,4-Trimethylbenzene	59.8		"	50.0		120	84-125		2.01	30	
1,2-Dibromo-3-chloropropane	59.5		"	50.0		119	74-142		6.95	30	
1,2-Dibromoethane	57.5		"	50.0		115	86-123		3.02	30	
1,2-Dichlorobenzene	57.8		"	50.0		116	85-122		1.29	30	
1,2-Dichloroethane	46.1		"	50.0		92.2	71-133		2.26	30	
1,2-Dichloropropane	52.4		"	50.0		105	81-122		3.93	30	
1,3,5-Trimethylbenzene	59.6		"	50.0		119	82-126		1.22	30	
1,3-Dichlorobenzene	56.2		"	50.0		112	84-124		0.839	30	
1,4-Dichlorobenzene	55.8		"	50.0		112	84-124		0.00	30	
1,4-Dioxane	1340		"	1050		128	10-228		3.72	30	
2-Butanone	47.7		"	50.0		95.3	58-147		5.74	30	
2-Hexanone	50.3		"	50.0		101	70-139		7.66	30	
4-Methyl-2-pentanone	49.7		"	50.0		99.4	72-132		9.60	30	
Acetone	35.4		"	50.0		70.7	36-155		8.21	30	
Acrolein	59.7		"	50.0		119	10-238		2.15	30	
Acrylonitrile	47.0		"	50.0		94.0	66-141		5.89	30	
Benzene	51.1		"	50.0		102	77-127		0.0783	30	
Bromochloromethane	45.3		"	50.0		90.6	74-129		3.57	30	
Bromodichloromethane	54.9		"	50.0		110	81-124		3.20	30	
Bromoform	54.0		"	50.0		108	80-136		2.80	30	
Bromomethane	56.7		"	50.0		113	32-177		7.98	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10455 - EPA 5035A											
LCS Dup (BC10455-BSD1)	LCS Dup		Prepared & Analyzed: 03/08/2021								
Carbon disulfide	52.5		ug/L	50.0		105	10-136		0.0953	30	
Carbon tetrachloride	51.2		"	50.0		102	66-143		1.55	30	
Chlorobenzene	55.0		"	50.0		110	86-120		0.127	30	
Chloroethane	52.3		"	50.0		105	51-142		3.27	30	
Chloroform	47.8		"	50.0		95.5	76-131		0.917	30	
Chloromethane	55.8		"	50.0		112	49-132		3.58	30	
cis-1,2-Dichloroethylene	47.4		"	50.0		94.8	74-132		0.783	30	
cis-1,3-Dichloropropylene	57.2		"	50.0		114	81-129		3.00	30	
Cyclohexane	47.1		"	50.0		94.3	70-130		2.67	30	
Dibromochloromethane	57.6		"	50.0		115	10-200		1.50	30	
Dibromomethane	55.0		"	50.0		110	83-124		2.62	30	
Dichlorodifluoromethane	56.8		"	50.0		114	28-158		1.38	30	
Ethyl Benzene	55.2		"	50.0		110	84-125		1.61	30	
Hexachlorobutadiene	54.5		"	50.0		109	83-133		0.968	30	
Isopropylbenzene	58.0		"	50.0		116	81-127		2.13	30	
Methyl acetate	43.7		"	50.0		87.5	41-143		6.47	30	
Methyl tert-butyl ether (MTBE)	49.5		"	50.0		98.9	74-131		0.791	30	
Methylcyclohexane	56.6		"	50.0		113	70-130		2.70	30	
Methylene chloride	46.4		"	50.0		92.8	57-141		2.42	30	
n-Butylbenzene	57.1		"	50.0		114	80-130		1.00	30	
n-Propylbenzene	57.1		"	50.0		114	74-136		2.99	30	
o-Xylene	54.1		"	50.0		108	83-123		1.51	30	
p- & m- Xylenes	112		"	100		112	82-128		1.30	30	
p-Isopropyltoluene	60.6		"	50.0		121	85-125		1.08	30	
sec-Butylbenzene	61.7		"	50.0		123	83-125		1.98	30	
Styrene	57.3		"	50.0		115	86-126		1.83	30	
tert-Butyl alcohol (TBA)	281		"	250		113	70-130		4.91	30	
tert-Butylbenzene	51.4		"	50.0		103	80-127		1.95	30	
Tetrachloroethylene	47.8		"	50.0		95.6	80-129		1.23	30	
Toluene	53.7		"	50.0		107	85-121		2.16	30	
trans-1,2-Dichloroethylene	49.5		"	50.0		99.0	72-132		0.730	30	
trans-1,3-Dichloropropylene	59.4		"	50.0		119	78-132		3.88	30	
Trichloroethylene	56.8		"	50.0		114	84-123		0.530	30	
Trichlorofluoromethane	54.1		"	50.0		108	62-140		1.03	30	
Vinyl Chloride	59.9		"	50.0		120	52-130		1.85	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	46.8		"	50.0		93.6	77-125				
Surrogate: SURR: Toluene-d8	54.8		"	50.0		110	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.1		"	50.0		100	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10554 - EPA 5035A											
Blank (BC10554-BLK1)	Blank										Prepared & Analyzed: 03/09/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0050	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10554 - EPA 5035A

Blank (BC10554-BLK1)	Blank		Prepared & Analyzed: 03/09/2021								
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	47.6		ug/L	50.0		95.2	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	50.8		"	50.0		102	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	51.1		"	50.0		102	76-130				

Blank (BC10554-BLK2)	METHANOL ML BLANK		Prepared & Analyzed: 03/09/2021								
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	0.62	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10554 - EPA 5035A

Blank (BC10554-BLK2)	METHANOL ML BLANK							Prepared & Analyzed: 03/09/2021			
Bromomethane	ND	0.50	mg/kg wet								
Carbon disulfide	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	"								
Cyclohexane	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 acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	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: SURR: 1,2-Dichloroethane-d4	47.9		ug/L	50.0		95.9	77-125				
Surrogate: SURR: Toluene-d8	50.3		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.8		"	50.0		99.7	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10554 - EPA 5035A											
LCS (BC10554-BS1)	LCS	Prepared & Analyzed: 03/09/2021									
1,1,1,2-Tetrachloroethane	52.0		ug/L	50.0		104	75-129				
1,1,1-Trichloroethane	51.6		"	50.0		103	71-137				
1,1,2,2-Tetrachloroethane	53.7		"	50.0		107	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.9		"	50.0		106	58-146				
1,1,2-Trichloroethane	53.5		"	50.0		107	83-123				
1,1-Dichloroethane	49.4		"	50.0		98.8	75-130				
1,1-Dichloroethylene	50.4		"	50.0		101	64-137				
1,2,3-Trichlorobenzene	64.3		"	50.0		129	81-140				
1,2,3-Trichloropropane	54.4		"	50.0		109	81-126				
1,2,4-Trichlorobenzene	63.6		"	50.0		127	80-141				
1,2,4-Trimethylbenzene	52.6		"	50.0		105	84-125				
1,2-Dibromo-3-chloropropane	49.8		"	50.0		99.6	74-142				
1,2-Dibromoethane	56.0		"	50.0		112	86-123				
1,2-Dichlorobenzene	56.7		"	50.0		113	85-122				
1,2-Dichloroethane	51.3		"	50.0		103	71-133				
1,2-Dichloropropane	51.0		"	50.0		102	81-122				
1,3,5-Trimethylbenzene	54.0		"	50.0		108	82-126				
1,3-Dichlorobenzene	55.9		"	50.0		112	84-124				
1,4-Dichlorobenzene	56.7		"	50.0		113	84-124				
1,4-Dioxane	1250		"	1050		119	10-228				
2-Butanone	50.0		"	50.0		100	58-147				
2-Hexanone	48.3		"	50.0		96.6	70-139				
4-Methyl-2-pentanone	48.6		"	50.0		97.1	72-132				
Acetone	41.6		"	50.0		83.3	36-155				
Acrolein	60.4		"	50.0		121	10-238				
Acrylonitrile	52.5		"	50.0		105	66-141				
Benzene	51.9		"	50.0		104	77-127				
Bromochloromethane	48.4		"	50.0		96.9	74-129				
Bromodichloromethane	48.9		"	50.0		97.8	81-124				
Bromoform	58.8		"	50.0		118	80-136				
Bromomethane	72.4		"	50.0		145	32-177				
Carbon disulfide	54.2		"	50.0		108	10-136				
Carbon tetrachloride	55.6		"	50.0		111	66-143				
Chlorobenzene	53.3		"	50.0		107	86-120				
Chloroethane	55.0		"	50.0		110	51-142				
Chloroform	53.4		"	50.0		107	76-131				
Chloromethane	48.1		"	50.0		96.2	49-132				
cis-1,2-Dichloroethylene	51.2		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	47.5		"	50.0		94.9	81-129				
Cyclohexane	46.9		"	50.0		93.8	70-130				
Dibromochloromethane	54.3		"	50.0		109	10-200				
Dibromomethane	52.2		"	50.0		104	83-124				
Dichlorodifluoromethane	50.9		"	50.0		102	28-158				
Ethyl Benzene	52.3		"	50.0		105	84-125				
Hexachlorobutadiene	70.4		"	50.0		141	83-133	High Bias			
Isopropylbenzene	53.1		"	50.0		106	81-127				
Methyl acetate	42.5		"	50.0		84.9	41-143				
Methyl tert-butyl ether (MTBE)	53.0		"	50.0		106	74-131				
Methylcyclohexane	48.3		"	50.0		96.6	70-130				
Methylene chloride	50.2		"	50.0		100	57-141				
n-Butylbenzene	52.2		"	50.0		104	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10554 - EPA 5035A											
LCS (BC10554-BS1)	LCS		Prepared & Analyzed: 03/09/2021								
n-Propylbenzene	52.7		ug/L	50.0		105	74-136				
o-Xylene	52.7		"	50.0		105	83-123				
p- & m- Xylenes	110		"	100		110	82-128				
p-Isopropyltoluene	56.6		"	50.0		113	85-125				
sec-Butylbenzene	57.0		"	50.0		114	83-125				
Styrene	54.0		"	50.0		108	86-126				
tert-Butyl alcohol (TBA)	245		"	250		98.1	70-130				
tert-Butylbenzene	54.2		"	50.0		108	80-127				
Tetrachloroethylene	55.8		"	50.0		112	80-129				
Toluene	51.8		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	52.7		"	50.0		105	72-132				
trans-1,3-Dichloropropylene	47.7		"	50.0		95.3	78-132				
Trichloroethylene	53.8		"	50.0		108	84-123				
Trichlorofluoromethane	51.4		"	50.0		103	62-140				
Vinyl Chloride	48.2		"	50.0		96.4	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	49.8		"	50.0		99.7	77-125				
Surrogate: SURR: Toluene-d8	49.3		"	50.0		98.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.4		"	50.0		94.9	76-130				
LCS Dup (BC10554-BS1)	LCS Dup		Prepared & Analyzed: 03/09/2021								
1,1,1,2-Tetrachloroethane	52.1		ug/L	50.0		104	75-129		0.250	30	
1,1,1-Trichloroethane	51.4		"	50.0		103	71-137		0.466	30	
1,1,2,2-Tetrachloroethane	54.7		"	50.0		109	79-129		1.77	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.7		"	50.0		103	58-146		2.31	30	
1,1,2-Trichloroethane	53.9		"	50.0		108	83-123		0.708	30	
1,1-Dichloroethane	48.6		"	50.0		97.2	75-130		1.63	30	
1,1-Dichloroethylene	49.3		"	50.0		98.6	64-137		2.13	30	
1,2,3-Trichlorobenzene	65.1		"	50.0		130	81-140		1.22	30	
1,2,3-Trichloropropane	55.4		"	50.0		111	81-126		1.71	30	
1,2,4-Trichlorobenzene	64.7		"	50.0		129	80-141		1.71	30	
1,2,4-Trimethylbenzene	52.8		"	50.0		106	84-125		0.304	30	
1,2-Dibromo-3-chloropropane	50.9		"	50.0		102	74-142		2.24	30	
1,2-Dibromoethane	56.4		"	50.0		113	86-123		0.783	30	
1,2-Dichlorobenzene	56.3		"	50.0		113	85-122		0.655	30	
1,2-Dichloroethane	50.5		"	50.0		101	71-133		1.53	30	
1,2-Dichloropropane	51.1		"	50.0		102	81-122		0.0784	30	
1,3,5-Trimethylbenzene	54.4		"	50.0		109	82-126		0.645	30	
1,3-Dichlorobenzene	55.6		"	50.0		111	84-124		0.448	30	
1,4-Dichlorobenzene	56.5		"	50.0		113	84-124		0.354	30	
1,4-Dioxane	1260		"	1050		120	10-228		0.550	30	
2-Butanone	49.1		"	50.0		98.2	58-147		1.76	30	
2-Hexanone	49.5		"	50.0		99.0	70-139		2.49	30	
4-Methyl-2-pentanone	48.4		"	50.0		96.7	72-132		0.433	30	
Acetone	42.3		"	50.0		84.6	36-155		1.55	30	
Acrolein	58.5		"	50.0		117	10-238		3.23	30	
Acrylonitrile	53.5		"	50.0		107	66-141		1.85	30	
Benzene	51.2		"	50.0		102	77-127		1.18	30	
Bromochloromethane	48.0		"	50.0		96.1	74-129		0.829	30	
Bromodichloromethane	48.9		"	50.0		97.8	81-124		0.0205	30	
Bromoform	59.9		"	50.0		120	80-136		1.82	30	
Bromomethane	66.8		"	50.0		134	32-177		7.99	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10554 - EPA 5035A											
LCS Dup (BC10554-BSD1)	LCS Dup		Prepared & Analyzed: 03/09/2021								
Carbon disulfide	54.4		ug/L	50.0		109	10-136		0.239	30	
Carbon tetrachloride	55.4		"	50.0		111	66-143		0.360	30	
Chlorobenzene	53.5		"	50.0		107	86-120		0.300	30	
Chloroethane	50.8		"	50.0		102	51-142		7.88	30	
Chloroform	52.8		"	50.0		106	76-131		1.02	30	
Chloromethane	47.4		"	50.0		94.8	49-132		1.49	30	
cis-1,2-Dichloroethylene	51.3		"	50.0		103	74-132		0.234	30	
cis-1,3-Dichloropropylene	47.3		"	50.0		94.6	81-129		0.359	30	
Cyclohexane	46.8		"	50.0		93.5	70-130		0.320	30	
Dibromochloromethane	54.9		"	50.0		110	10-200		1.08	30	
Dibromomethane	52.1		"	50.0		104	83-124		0.211	30	
Dichlorodifluoromethane	51.4		"	50.0		103	28-158		1.06	30	
Ethyl Benzene	52.4		"	50.0		105	84-125		0.344	30	
Hexachlorobutadiene	70.5		"	50.0		141	83-133	High Bias	0.114	30	
Isopropylbenzene	53.0		"	50.0		106	81-127		0.0942	30	
Methyl acetate	42.4		"	50.0		84.9	41-143		0.0942	30	
Methyl tert-butyl ether (MTBE)	52.3		"	50.0		105	74-131		1.22	30	
Methylcyclohexane	48.1		"	50.0		96.2	70-130		0.415	30	
Methylene chloride	50.0		"	50.0		100	57-141		0.439	30	
n-Butylbenzene	51.2		"	50.0		102	80-130		1.99	30	
n-Propylbenzene	52.9		"	50.0		106	74-136		0.379	30	
o-Xylene	52.3		"	50.0		105	83-123		0.705	30	
p- & m- Xylenes	110		"	100		110	82-128		0.319	30	
p-Isopropyltoluene	57.1		"	50.0		114	85-125		0.862	30	
sec-Butylbenzene	57.1		"	50.0		114	83-125		0.140	30	
Styrene	53.8		"	50.0		108	86-126		0.408	30	
tert-Butyl alcohol (TBA)	246		"	250		98.4	70-130		0.277	30	
tert-Butylbenzene	54.6		"	50.0		109	80-127		0.735	30	
Tetrachloroethylene	56.6		"	50.0		113	80-129		1.39	30	
Toluene	51.5		"	50.0		103	85-121		0.523	30	
trans-1,2-Dichloroethylene	51.8		"	50.0		104	72-132		1.70	30	
trans-1,3-Dichloropropylene	47.9		"	50.0		95.8	78-132		0.481	30	
Trichloroethylene	53.4		"	50.0		107	84-123		0.765	30	
Trichlorofluoromethane	51.0		"	50.0		102	62-140		0.742	30	
Vinyl Chloride	47.6		"	50.0		95.1	52-130		1.32	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.7		"	50.0		97.4	77-125				
Surrogate: SURR: Toluene-d8	50.0		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.5		"	50.0		95.0	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10604 - EPA 5035A

Blank (BC10604-BLK1)	Blank								Prepared & Analyzed: 03/10/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0048	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10604 - EPA 5035A

Blank (BC10604-BLK1)		Blank		Prepared & Analyzed: 03/10/2021							
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	46.5		ug/L	50.0		93.0	77-125				
Surrogate: SURR: Toluene-d8	50.1		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.8		"	50.0		104	76-130				

Blank (BC10604-BLK2)		Blank		Prepared & Analyzed: 03/10/2021							
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	0.57	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10604 - EPA 5035A

Blank (BC10604-BLK2)	Blank	Prepared & Analyzed: 03/10/2021									
Bromomethane	ND	0.50	mg/kg wet								
Carbon disulfide	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	"								
Cyclohexane	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 acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	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: SURR: 1,2-Dichloroethane-d4	45.9		ug/L	50.0		91.7	77-125				
Surrogate: SURR: Toluene-d8	49.7		"	50.0		99.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.1		"	50.0		98.2	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

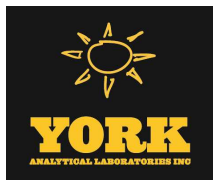
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10604 - EPA 5035A											
LCS (BC10604-BS1)	LCS		Prepared & Analyzed: 03/10/2021								
1,1,1,2-Tetrachloroethane	51.5		ug/L	50.0		103	75-129				
1,1,1-Trichloroethane	54.4		"	50.0		109	71-137				
1,1,2,2-Tetrachloroethane	54.2		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.3		"	50.0		92.6	58-146				
1,1,2-Trichloroethane	52.6		"	50.0		105	83-123				
1,1-Dichloroethane	49.2		"	50.0		98.3	75-130				
1,1-Dichloroethylene	41.5		"	50.0		83.0	64-137				
1,2,3-Trichlorobenzene	65.3		"	50.0		131	81-140				
1,2,3-Trichloropropane	54.9		"	50.0		110	81-126				
1,2,4-Trichlorobenzene	66.3		"	50.0		133	80-141				
1,2,4-Trimethylbenzene	55.6		"	50.0		111	84-125				
1,2-Dibromo-3-chloropropane	51.7		"	50.0		103	74-142				
1,2-Dibromoethane	55.2		"	50.0		110	86-123				
1,2-Dichlorobenzene	57.6		"	50.0		115	85-122				
1,2-Dichloroethane	47.8		"	50.0		95.6	71-133				
1,2-Dichloropropane	50.5		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	58.4		"	50.0		117	82-126				
1,3-Dichlorobenzene	58.1		"	50.0		116	84-124				
1,4-Dichlorobenzene	59.1		"	50.0		118	84-124				
1,4-Dioxane	1410		"	1050		134	10-228				
2-Butanone	47.9		"	50.0		95.8	58-147				
2-Hexanone	46.9		"	50.0		93.7	70-139				
4-Methyl-2-pentanone	45.1		"	50.0		90.3	72-132				
Acetone	33.0		"	50.0		65.9	36-155				
Acrolein	48.6		"	50.0		97.1	10-238				
Acrylonitrile	53.8		"	50.0		108	66-141				
Benzene	52.9		"	50.0		106	77-127				
Bromochloromethane	43.9		"	50.0		87.7	74-129				
Bromodichloromethane	48.6		"	50.0		97.3	81-124				
Bromoform	56.3		"	50.0		113	80-136				
Bromomethane	49.8		"	50.0		99.5	32-177				
Carbon disulfide	56.3		"	50.0		113	10-136				
Carbon tetrachloride	57.5		"	50.0		115	66-143				
Chlorobenzene	54.6		"	50.0		109	86-120				
Chloroethane	38.9		"	50.0		77.8	51-142				
Chloroform	53.6		"	50.0		107	76-131				
Chloromethane	38.6		"	50.0		77.2	49-132				
cis-1,2-Dichloroethylene	51.2		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	47.8		"	50.0		95.5	81-129				
Cyclohexane	47.8		"	50.0		95.5	70-130				
Dibromochloromethane	52.8		"	50.0		106	10-200				
Dibromomethane	50.8		"	50.0		102	83-124				
Dichlorodifluoromethane	45.6		"	50.0		91.2	28-158				
Ethyl Benzene	54.0		"	50.0		108	84-125				
Hexachlorobutadiene	79.2		"	50.0		158	83-133	High Bias			
Isopropylbenzene	57.7		"	50.0		115	81-127				
Methyl acetate	40.9		"	50.0		81.9	41-143				
Methyl tert-butyl ether (MTBE)	50.9		"	50.0		102	74-131				
Methylcyclohexane	52.6		"	50.0		105	70-130				
Methylene chloride	46.4		"	50.0		92.7	57-141				
n-Butylbenzene	58.5		"	50.0		117	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10604 - EPA 5035A											
LCS (BC10604-BS1)	LCS		Prepared & Analyzed: 03/10/2021								
n-Propylbenzene	56.5		ug/L	50.0		113	74-136				
o-Xylene	53.6		"	50.0		107	83-123				
p- & m- Xylenes	113		"	100		113	82-128				
p-Isopropyltoluene	60.9		"	50.0		122	85-125				
sec-Butylbenzene	62.2		"	50.0		124	83-125				
Styrene	54.8		"	50.0		110	86-126				
tert-Butyl alcohol (TBA)	277		"	250		111	70-130				
tert-Butylbenzene	59.8		"	50.0		120	80-127				
Tetrachloroethylene	61.4		"	50.0		123	80-129				
Toluene	54.0		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	53.4		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	47.2		"	50.0		94.3	78-132				
Trichloroethylene	57.5		"	50.0		115	84-123				
Trichlorofluoromethane	41.9		"	50.0		83.8	62-140				
Vinyl Chloride	41.0		"	50.0		81.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.6		"	50.0		93.3	77-125				
Surrogate: SURR: Toluene-d8	49.8		"	50.0		99.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.4	76-130				
LCS Dup (BC10604-BS1)	LCS Dup		Prepared & Analyzed: 03/10/2021								
1,1,1,2-Tetrachloroethane	51.0		ug/L	50.0		102	75-129		0.878	30	
1,1,1-Trichloroethane	53.6		"	50.0		107	71-137		1.39	30	
1,1,2,2-Tetrachloroethane	53.7		"	50.0		107	79-129		0.890	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.4		"	50.0		88.8	58-146		4.12	30	
1,1,2-Trichloroethane	52.6		"	50.0		105	83-123		0.0570	30	
1,1-Dichloroethane	48.2		"	50.0		96.5	75-130		1.89	30	
1,1-Dichloroethylene	40.3		"	50.0		80.6	64-137		3.03	30	
1,2,3-Trichlorobenzene	65.2		"	50.0		130	81-140		0.291	30	
1,2,3-Trichloropropane	55.2		"	50.0		110	81-126		0.527	30	
1,2,4-Trichlorobenzene	65.8		"	50.0		132	80-141		0.651	30	
1,2,4-Trimethylbenzene	54.3		"	50.0		109	84-125		2.31	30	
1,2-Dibromo-3-chloropropane	50.9		"	50.0		102	74-142		1.48	30	
1,2-Dibromoethane	55.0		"	50.0		110	86-123		0.327	30	
1,2-Dichlorobenzene	56.9		"	50.0		114	85-122		1.15	30	
1,2-Dichloroethane	47.0		"	50.0		94.0	71-133		1.65	30	
1,2-Dichloropropane	49.6		"	50.0		99.1	81-122		1.84	30	
1,3,5-Trimethylbenzene	56.5		"	50.0		113	82-126		3.26	30	
1,3-Dichlorobenzene	56.7		"	50.0		113	84-124		2.49	30	
1,4-Dichlorobenzene	58.2		"	50.0		116	84-124		1.57	30	
1,4-Dioxane	1390		"	1050		132	10-228		1.39	30	
2-Butanone	50.5		"	50.0		101	58-147		5.32	30	
2-Hexanone	47.3		"	50.0		94.5	70-139		0.850	30	
4-Methyl-2-pentanone	45.4		"	50.0		90.8	72-132		0.618	30	
Acetone	34.2		"	50.0		68.4	36-155		3.69	30	
Acrolein	48.5		"	50.0		96.9	10-238		0.206	30	
Acrylonitrile	53.4		"	50.0		107	66-141		0.840	30	
Benzene	52.0		"	50.0		104	77-127		1.70	30	
Bromochloromethane	43.5		"	50.0		87.1	74-129		0.732	30	
Bromodichloromethane	48.1		"	50.0		96.2	81-124		1.07	30	
Bromoform	57.1		"	50.0		114	80-136		1.32	30	
Bromomethane	47.2		"	50.0		94.4	32-177		5.34	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10604 - EPA 5035A											
LCS Dup (BC10604-BSD1)	LCS Dup		Prepared & Analyzed: 03/10/2021								
Carbon disulfide	54.7		ug/L	50.0		109	10-136		2.90	30	
Carbon tetrachloride	57.3		"	50.0		115	66-143		0.279	30	
Chlorobenzene	54.2		"	50.0		108	86-120		0.698	30	
Chloroethane	37.5		"	50.0		75.1	51-142		3.56	30	
Chloroform	52.8		"	50.0		106	76-131		1.52	30	
Chloromethane	37.3		"	50.0		74.6	49-132		3.48	30	
cis-1,2-Dichloroethylene	51.0		"	50.0		102	74-132		0.548	30	
cis-1,3-Dichloropropylene	46.9		"	50.0		93.8	81-129		1.75	30	
Cyclohexane	46.6		"	50.0		93.3	70-130		2.35	30	
Dibromochloromethane	52.8		"	50.0		106	10-200		0.114	30	
Dibromomethane	50.2		"	50.0		100	83-124		1.25	30	
Dichlorodifluoromethane	43.9		"	50.0		87.9	28-158		3.69	30	
Ethyl Benzene	53.1		"	50.0		106	84-125		1.83	30	
Hexachlorobutadiene	77.3		"	50.0		155	83-133	High Bias	2.44	30	
Isopropylbenzene	56.0		"	50.0		112	81-127		2.97	30	
Methyl acetate	40.8		"	50.0		81.6	41-143		0.318	30	
Methyl tert-butyl ether (MTBE)	51.2		"	50.0		102	74-131		0.529	30	
Methylcyclohexane	50.6		"	50.0		101	70-130		3.97	30	
Methylene chloride	45.7		"	50.0		91.4	57-141		1.43	30	
n-Butylbenzene	57.7		"	50.0		115	80-130		1.41	30	
n-Propylbenzene	54.4		"	50.0		109	74-136		3.75	30	
o-Xylene	52.4		"	50.0		105	83-123		2.25	30	
p- & m- Xylenes	111		"	100		111	82-128		1.98	30	
p-Isopropyltoluene	59.1		"	50.0		118	85-125		3.03	30	
sec-Butylbenzene	60.2		"	50.0		120	83-125		3.35	30	
Styrene	53.8		"	50.0		108	86-126		1.79	30	
tert-Butyl alcohol (TBA)	283		"	250		113	70-130		2.26	30	
tert-Butylbenzene	57.8		"	50.0		116	80-127		3.42	30	
Tetrachloroethylene	60.4		"	50.0		121	80-129		1.69	30	
Toluene	52.8		"	50.0		106	85-121		2.28	30	
trans-1,2-Dichloroethylene	52.5		"	50.0		105	72-132		1.79	30	
trans-1,3-Dichloropropylene	46.8		"	50.0		93.7	78-132		0.660	30	
Trichloroethylene	56.8		"	50.0		114	84-123		1.28	30	
Trichlorofluoromethane	40.7		"	50.0		81.4	62-140		2.95	30	
Vinyl Chloride	39.2		"	50.0		78.4	52-130		4.34	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	47.0		"	50.0		94.0	77-125				
Surrogate: SURR: Toluene-d8	50.2		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.8		"	50.0		97.6	76-130				



Semivolatile 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 BC10492 - EPA 3546 SVOA

Blank (BC10492-BLK1)	Blank								Prepared & Analyzed: 03/09/2021		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								



Semivolatile 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 BC10492 - EPA 3546 SVOA

Blank (BC10492-BLK1)	Blank	Prepared & Analyzed: 03/09/2021									
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.27		"	1.66		76.3	20-108				
Surrogate: SURR: Phenol-d5	1.26		"	1.66		75.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.758		"	0.831		91.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.713		"	0.831		85.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.04		"	1.66		123	19-110				
Surrogate: SURR: Terphenyl-d14	0.946		"	0.831		114	24-116				



Semivolatile 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 BC10492 - EPA 3546 SVOA											
LCS (BC10492-BS1)	LCS	Prepared & Analyzed: 03/09/2021									
1,1-Biphenyl	0.667	0.0416	mg/kg wet	0.831		80.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.680	0.0830	"	0.831		81.8	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.769	0.0416	"	0.831		92.6	17-137				
2,3,4,6-Tetrachlorophenol	0.886	0.0830	"	0.831		107	30-130				
2,4,5-Trichlorophenol	0.693	0.0416	"	0.831		83.4	27-118				
2,4,6-Trichlorophenol	0.667	0.0416	"	0.831		80.3	31-120				
2,4-Dichlorophenol	0.711	0.0416	"	0.831		85.6	20-127				
2,4-Dimethylphenol	0.675	0.0416	"	0.831		81.3	14-132				
2,4-Dinitrophenol	0.655	0.0830	"	0.831		78.9	10-171				
2,4-Dinitrotoluene	0.761	0.0416	"	0.831		91.6	34-131				
2,6-Dinitrotoluene	0.736	0.0416	"	0.831		88.6	31-128				
2-Chloronaphthalene	0.636	0.0416	"	0.831		76.6	31-117				
2-Chlorophenol	0.604	0.0416	"	0.831		72.7	33-113				
2-Methylnaphthalene	0.714	0.0416	"	0.831		86.0	12-138				
2-Methylphenol	0.611	0.0416	"	0.831		73.6	10-136				
2-Nitroaniline	0.733	0.0830	"	0.831		88.3	27-132				
2-Nitrophenol	0.689	0.0416	"	0.831		82.9	17-129				
3- & 4-Methylphenols	0.575	0.0416	"	0.831		69.2	29-103				
3,3-Dichlorobenzidine	0.580	0.0416	"	0.831		69.9	22-149				
3-Nitroaniline	0.616	0.0830	"	0.831		74.1	20-133				
4,6-Dinitro-2-methylphenol	0.792	0.0830	"	0.831		95.3	10-143				
4-Bromophenyl phenyl ether	0.799	0.0416	"	0.831		96.2	29-120				
4-Chloro-3-methylphenol	0.727	0.0416	"	0.831		87.5	24-129				
4-Chloroaniline	0.517	0.0416	"	0.831		62.2	10-132				
4-Chlorophenyl phenyl ether	0.674	0.0416	"	0.831		81.2	27-124				
4-Nitroaniline	0.719	0.0830	"	0.831		86.6	16-128				
4-Nitrophenol	0.749	0.0830	"	0.831		90.2	10-141				
Acenaphthene	0.666	0.0416	"	0.831		80.2	30-121				
Acenaphthylene	0.669	0.0416	"	0.831		80.6	30-115				
Acetophenone	0.698	0.0416	"	0.831		84.0	20-112				
Aniline	0.571	0.166	"	0.831		68.7	10-119				
Anthracene	0.702	0.0416	"	0.831		84.6	34-118				
Atrazine	0.804	0.0416	"	0.831		96.8	26-112				
Benzaldehyde	0.698	0.0416	"	0.831		84.0	21-100				
Benzo(a)anthracene	0.736	0.0416	"	0.831		88.6	32-122				
Benzo(a)pyrene	0.623	0.0416	"	0.831		75.0	29-133				
Benzo(b)fluoranthene	0.734	0.0416	"	0.831		88.4	25-133				
Benzo(g,h,i)perylene	0.783	0.0416	"	0.831		94.3	10-143				
Benzo(k)fluoranthene	0.647	0.0416	"	0.831		77.9	25-128				
Benzoic acid	0.575	0.0416	"	0.831		69.2	10-140				
Benzyl alcohol	0.704	0.0416	"	0.831		84.8	30-115				
Benzyl butyl phthalate	0.773	0.0416	"	0.831		93.0	26-126				
Bis(2-chloroethoxy)methane	0.649	0.0416	"	0.831		78.1	19-132				
Bis(2-chloroethyl)ether	0.684	0.0416	"	0.831		82.4	19-125				
Bis(2-chloroisopropyl)ether	0.742	0.0416	"	0.831		89.3	20-135				
Bis(2-ethylhexyl)phthalate	0.771	0.0416	"	0.831		92.8	10-155				
Caprolactam	0.662	0.0830	"	0.831		79.7	10-127				
Carbazole	0.722	0.0416	"	0.831		86.9	35-123				
Chrysene	0.728	0.0416	"	0.831		87.6	32-123				
Dibenzo(a,h)anthracene	0.714	0.0416	"	0.831		86.0	10-136				
Dibenzofuran	0.652	0.0416	"	0.831		78.5	29-121				



Semivolatile 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 BC10492 - EPA 3546 SVOA

LCS (BC10492-BS1)	LCS	Prepared & Analyzed: 03/09/2021									
Diethyl phthalate	0.700	0.0416	mg/kg wet	0.831		84.3	34-116				
Dimethyl phthalate	0.656	0.0416	"	0.831		79.0	35-124				
Di-n-butyl phthalate	0.761	0.0416	"	0.831		91.7	31-116				
Di-n-octyl phthalate	0.775	0.0416	"	0.831		93.3	26-136				
Diphenylamine	0.882	0.0830	"	0.831		106	40-140				
Fluoranthene	0.720	0.0416	"	0.831		86.6	33-122				
Fluorene	0.664	0.0416	"	0.831		79.9	29-123				
Hexachlorobenzene	0.745	0.0416	"	0.831		89.6	21-124				
Hexachlorobutadiene	0.678	0.0416	"	0.831		81.7	10-149				
Hexachlorocyclopentadiene	0.663	0.0416	"	0.831		79.9	10-129				
Hexachloroethane	0.586	0.0416	"	0.831		70.6	28-108				
Indeno(1,2,3-cd)pyrene	0.761	0.0416	"	0.831		91.7	10-135				
Isophorone	0.700	0.0416	"	0.831		84.3	20-132				
Naphthalene	0.634	0.0416	"	0.831		76.3	23-124				
Nitrobenzene	0.647	0.0416	"	0.831		77.8	13-132				
N-Nitrosodimethylamine	0.596	0.0416	"	0.831		71.7	11-129				
N-nitroso-di-n-propylamine	0.629	0.0416	"	0.831		75.8	24-119				
N-Nitrosodiphenylamine	0.938	0.0416	"	0.831		113	22-152				
Pentachlorophenol	0.719	0.0416	"	0.831		86.6	10-139				
Phenanthrene	0.695	0.0416	"	0.831		83.7	33-123				
Phenol	0.627	0.0416	"	0.831		75.5	23-115				
Pyrene	0.755	0.0416	"	0.831		90.9	24-130				
Pyridine	0.349	0.166	"	0.831		42.0	10-91				
Surrogate: SURR: 2-Fluorophenol	1.30		"	1.66		78.5	20-108				
Surrogate: SURR: Phenol-d5	1.30		"	1.66		78.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.746		"	0.831		89.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.737		"	0.831		88.7	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.15		"	1.66		129	19-110				
Surrogate: SURR: Terphenyl-d14	0.961		"	0.831		116	24-116				



Semivolatile 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 BC10492 - EPA 3546 SVOA											
Matrix Spike (BC10492-MS1)	Matrix Spike	*Source sample: 21C0265-03 (Matrix Spike)						Prepared & Analyzed: 03/09/2021			
1,1-Biphenyl	0.863	0.0959	mg/kg dry	0.958	ND	90.1	10-130				
1,2,4,5-Tetrachlorobenzene	0.831	0.191	"	0.958	ND	86.7	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.971	0.0959	"	0.958	ND	101	10-144				
2,3,4,6-Tetrachlorophenol	1.11	0.191	"	0.958	ND	116	30-130				
2,4,5-Trichlorophenol	0.908	0.0959	"	0.958	ND	94.8	10-127				
2,4,6-Trichlorophenol	0.890	0.0959	"	0.958	ND	92.9	10-132				
2,4-Dichlorophenol	0.949	0.0959	"	0.958	ND	99.1	10-128				
2,4-Dimethylphenol	0.927	0.0959	"	0.958	ND	96.8	10-137				
2,4-Dinitrophenol	0.970	0.191	"	0.958	ND	101	10-171				
2,4-Dinitrotoluene	0.989	0.0959	"	0.958	ND	103	16-135				
2,6-Dinitrotoluene	0.986	0.0959	"	0.958	ND	103	18-131				
2-Chloronaphthalene	0.817	0.0959	"	0.958	ND	85.3	10-129				
2-Chlorophenol	0.779	0.0959	"	0.958	ND	81.4	15-116				
2-Methylnaphthalene	0.936	0.0959	"	0.958	ND	97.8	10-147				
2-Methylphenol	0.808	0.0959	"	0.958	ND	84.3	10-136				
2-Nitroaniline	0.960	0.191	"	0.958	ND	100	10-137				
2-Nitrophenol	0.877	0.0959	"	0.958	ND	91.6	10-129				
3- & 4-Methylphenols	0.748	0.0959	"	0.958	ND	78.1	10-123				
3,3-Dichlorobenzidine	0.541	0.0959	"	0.958	ND	56.5	10-155				
3-Nitroaniline	0.754	0.191	"	0.958	ND	78.7	12-133				
4,6-Dinitro-2-methylphenol	1.02	0.191	"	0.958	ND	106	10-155				
4-Bromophenyl phenyl ether	1.04	0.0959	"	0.958	ND	109	14-128				
4-Chloro-3-methylphenol	0.989	0.0959	"	0.958	ND	103	10-134				
4-Chloroaniline	0.589	0.0959	"	0.958	ND	61.4	10-145				
4-Chlorophenyl phenyl ether	0.864	0.0959	"	0.958	ND	90.2	14-130				
4-Nitroaniline	0.825	0.191	"	0.958	ND	86.1	10-147				
4-Nitrophenol	1.11	0.191	"	0.958	ND	116	10-137				
Acenaphthene	0.856	0.0959	"	0.958	ND	89.4	10-146				
Acenaphthylene	0.861	0.0959	"	0.958	ND	89.9	10-134				
Acetophenone	0.790	0.0959	"	0.958	ND	82.5	10-116				
Aniline	0.873	0.384	"	0.958	ND	91.1	10-123				
Anthracene	0.911	0.0959	"	0.958	ND	95.1	10-142				
Atrazine	1.07	0.0959	"	0.958	ND	112	19-115				
Benzaldehyde	0.790	0.0959	"	0.958	ND	82.5	10-125				
Benzo(a)anthracene	0.966	0.0959	"	0.958	ND	101	10-158				
Benzo(a)pyrene	0.796	0.0959	"	0.958	ND	83.1	10-180				
Benzo(b)fluoranthene	0.884	0.0959	"	0.958	ND	92.3	10-200				
Benzo(g,h,i)perylene	0.991	0.0959	"	0.958	ND	103	10-138				
Benzo(k)fluoranthene	0.829	0.0959	"	0.958	ND	86.6	10-197				
Benzoic acid	0.995	0.0959	"	0.958	ND	104	10-166				
Benzyl alcohol	1.00	0.0959	"	0.958	ND	105	12-124				
Benzyl butyl phthalate	1.02	0.0959	"	0.958	ND	106	10-154				
Bis(2-chloroethoxy)methane	0.836	0.0959	"	0.958	ND	87.3	10-132				
Bis(2-chloroethyl)ether	0.714	0.0959	"	0.958	ND	74.6	10-119				
Bis(2-chloroisopropyl)ether	0.979	0.0959	"	0.958	ND	102	10-139				
Bis(2-ethylhexyl)phthalate	1.07	0.0959	"	0.958	0.0726	105	10-167				
Caprolactam	0.938	0.191	"	0.958	ND	97.9	10-132				
Carbazole	0.897	0.0959	"	0.958	ND	93.6	10-167				
Chrysene	0.965	0.0959	"	0.958	ND	101	10-156				
Dibenzo(a,h)anthracene	0.926	0.0959	"	0.958	ND	96.7	10-137				
Dibenzofuran	0.841	0.0959	"	0.958	ND	87.8	10-147				



Semivolatile 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 BC10492 - EPA 3546 SVOA

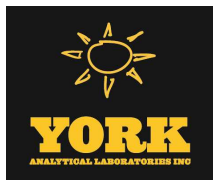
Matrix Spike (BC10492-MS1)	Matrix Spike	*Source sample: 21C0265-03 (Matrix Spike)						Prepared & Analyzed: 03/09/2021			
Diethyl phthalate	0.932	0.0959	mg/kg dry	0.958	ND	97.3	20-120				
Dimethyl phthalate	0.857	0.0959	"	0.958	ND	89.4	18-131				
Di-n-butyl phthalate	0.973	0.0959	"	0.958	ND	102	10-137				
Di-n-octyl phthalate	1.02	0.0959	"	0.958	ND	106	10-180				
Diphenylamine	1.12	0.191	"	0.958	ND	117	40-140				
Fluoranthene	0.933	0.0959	"	0.958	ND	97.4	10-160				
Fluorene	0.866	0.0959	"	0.958	ND	90.4	10-157				
Hexachlorobenzene	0.948	0.0959	"	0.958	ND	99.0	10-137				
Hexachlorobutadiene	0.847	0.0959	"	0.958	ND	88.4	10-132				
Hexachlorocyclopentadiene	0.635	0.0959	"	0.958	ND	66.3	10-106				
Hexachloroethane	0.759	0.0959	"	0.958	ND	79.3	10-110				
Indeno(1,2,3-cd)pyrene	0.943	0.0959	"	0.958	ND	98.4	10-144				
Isophorone	0.919	0.0959	"	0.958	ND	95.9	10-132				
Naphthalene	0.799	0.0959	"	0.958	ND	83.4	10-141				
Nitrobenzene	0.844	0.0959	"	0.958	ND	88.2	10-131				
N-Nitrosodimethylamine	0.756	0.0959	"	0.958	ND	78.9	10-126				
N-nitroso-di-n-propylamine	0.851	0.0959	"	0.958	ND	88.8	10-125				
N-Nitrosodiphenylamine	1.21	0.0959	"	0.958	ND	126	10-177				
Pentachlorophenol	1.03	0.0959	"	0.958	ND	107	10-153				
Phenanthrene	0.899	0.0959	"	0.958	ND	93.8	10-148				
Phenol	0.848	0.0959	"	0.958	ND	88.5	10-126				
Pyrene	0.971	0.0959	"	0.958	ND	101	10-165				
Pyridine	0.465	0.384	"	0.958	ND	48.6	10-83				
Surrogate: SURR: 2-Fluorophenol	1.69		"	1.92		88.2	20-108				
Surrogate: SURR: Phenol-d5	1.74		"	1.92		90.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.947		"	0.958		98.9	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.894		"	0.958		93.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.74		"	1.92		143	19-110				
Surrogate: SURR: Terphenyl-d14	1.25		"	0.958		130	24-116				



Semivolatile 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 BC10492 - EPA 3546 SVOA											
Matrix Spike Dup (BC10492-1) Matrix Spike Dup						Source sample: 21C0265-03 (Matrix Spike Dup)					
						Prepared & Analyzed: 03/09/2021					
1,1-Biphenyl	0.733	0.0959	mg/kg dry	0.958	ND	76.6	10-130		16.2	30	
1,2,4,5-Tetrachlorobenzene	0.739	0.191	"	0.958	ND	77.1	10-133		11.7	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.833	0.0959	"	0.958	ND	87.0	10-144		15.3	30	
2,3,4,6-Tetrachlorophenol	0.972	0.191	"	0.958	ND	101	30-130		13.5	30	
2,4,5-Trichlorophenol	0.758	0.0959	"	0.958	ND	79.1	10-127		18.0	30	
2,4,6-Trichlorophenol	0.781	0.0959	"	0.958	ND	81.5	10-132		13.0	30	
2,4-Dichlorophenol	0.833	0.0959	"	0.958	ND	87.0	10-128		13.1	30	
2,4-Dimethylphenol	0.810	0.0959	"	0.958	ND	84.6	10-137		13.5	30	
2,4-Dinitrophenol	0.850	0.191	"	0.958	ND	88.7	10-171		13.2	30	
2,4-Dinitrotoluene	0.825	0.0959	"	0.958	ND	86.2	16-135		18.0	30	
2,6-Dinitrotoluene	0.831	0.0959	"	0.958	ND	86.7	18-131		17.1	30	
2-Chloronaphthalene	0.703	0.0959	"	0.958	ND	73.4	10-129		14.9	30	
2-Chlorophenol	0.650	0.0959	"	0.958	ND	67.8	15-116		18.1	30	
2-Methylnaphthalene	0.842	0.0959	"	0.958	ND	87.9	10-147		10.6	30	
2-Methylphenol	0.705	0.0959	"	0.958	ND	73.6	10-136		13.6	30	
2-Nitroaniline	0.805	0.191	"	0.958	ND	84.0	10-137		17.6	30	
2-Nitrophenol	0.772	0.0959	"	0.958	ND	80.6	10-129		12.7	30	
3- & 4-Methylphenols	0.682	0.0959	"	0.958	ND	71.2	10-123		9.22	30	
3,3-Dichlorobenzidine	0.399	0.0959	"	0.958	ND	41.7	10-155		30.2	30	Non-dir.
3-Nitroaniline	0.655	0.191	"	0.958	ND	68.4	12-133		14.0	30	
4,6-Dinitro-2-methylphenol	0.834	0.191	"	0.958	ND	87.1	10-155		19.9	30	
4-Bromophenyl phenyl ether	0.856	0.0959	"	0.958	ND	89.4	14-128		19.6	30	
4-Chloro-3-methylphenol	0.908	0.0959	"	0.958	ND	94.8	10-134		8.48	30	
4-Chloroaniline	0.588	0.0959	"	0.958	ND	61.4	10-145		0.130	30	
4-Chlorophenyl phenyl ether	0.756	0.0959	"	0.958	ND	79.0	14-130		13.3	30	
4-Nitroaniline	0.691	0.191	"	0.958	ND	72.2	10-147		17.6	30	
4-Nitrophenol	0.937	0.191	"	0.958	ND	97.8	10-137		16.6	30	
Acenaphthene	0.750	0.0959	"	0.958	ND	78.3	10-146		13.2	30	
Acenaphthylene	0.737	0.0959	"	0.958	ND	77.0	10-134		15.5	30	
Acetophenone	0.863	0.0959	"	0.958	ND	90.1	10-116		8.81	30	
Aniline	0.600	0.384	"	0.958	ND	62.6	10-123		37.0	30	Non-dir.
Anthracene	0.765	0.0959	"	0.958	ND	79.8	10-142		17.5	30	
Atrazine	0.888	0.0959	"	0.958	ND	92.7	19-115		19.0	30	
Benzaldehyde	0.863	0.0959	"	0.958	ND	90.1	10-125		8.81	30	
Benzo(a)anthracene	0.793	0.0959	"	0.958	ND	82.8	10-158		19.7	30	
Benzo(a)pyrene	0.670	0.0959	"	0.958	ND	69.9	10-180		17.3	30	
Benzo(b)fluoranthene	0.756	0.0959	"	0.958	ND	79.0	10-200		15.6	30	
Benzo(g,h,i)perylene	0.836	0.0959	"	0.958	ND	87.3	10-138		16.9	30	
Benzo(k)fluoranthene	0.713	0.0959	"	0.958	ND	74.5	10-197		15.0	30	
Benzoic acid	0.934	0.0959	"	0.958	ND	97.5	10-166		6.35	30	
Benzyl alcohol	0.833	0.0959	"	0.958	ND	87.0	12-124		18.5	30	
Benzyl butyl phthalate	0.824	0.0959	"	0.958	ND	86.0	10-154		21.0	30	
Bis(2-chloroethoxy)methane	0.773	0.0959	"	0.958	ND	80.7	10-132		7.81	30	
Bis(2-chloroethyl)ether	0.634	0.0959	"	0.958	ND	66.2	10-119		11.9	30	
Bis(2-chloroisopropyl)ether	0.825	0.0959	"	0.958	ND	86.1	10-139		17.1	30	
Bis(2-ethylhexyl)phthalate	0.852	0.0959	"	0.958	0.0726	81.4	10-167		23.0	30	
Caprolactam	0.834	0.191	"	0.958	ND	87.0	10-132		11.8	30	
Carbazole	0.752	0.0959	"	0.958	ND	78.5	10-167		17.6	30	
Chrysene	0.798	0.0959	"	0.958	ND	83.4	10-156		18.9	30	
Dibenzo(a,h)anthracene	0.772	0.0959	"	0.958	ND	80.6	10-137		18.2	30	
Dibenzofuran	0.728	0.0959	"	0.958	ND	76.0	10-147		14.5	30	



Semivolatile 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 BC10492 - EPA 3546 SVOA

Matrix Spike Dup (BC10492-1)						Source sample: 21C0265-03 (Matrix Spike Dup)						Prepared & Analyzed: 03/09/2021	
Diethyl phthalate	0.791	0.0959	mg/kg dry	0.958	ND	82.6	20-120		16.4	30			
Dimethyl phthalate	0.730	0.0959	"	0.958	ND	76.2	18-131		16.0	30			
Di-n-butyl phthalate	0.820	0.0959	"	0.958	ND	85.6	10-137		17.1	30			
Di-n-octyl phthalate	0.843	0.0959	"	0.958	ND	88.0	10-180		18.6	30			
Diphenylamine	0.944	0.191	"	0.958	ND	98.6	40-140		17.3	30			
Fluoranthene	0.776	0.0959	"	0.958	ND	81.0	10-160		18.3	30			
Fluorene	0.736	0.0959	"	0.958	ND	76.9	10-157		16.2	30			
Hexachlorobenzene	0.775	0.0959	"	0.958	ND	81.0	10-137		20.0	30			
Hexachlorobutadiene	0.766	0.0959	"	0.958	ND	79.9	10-132		10.1	30			
Hexachlorocyclopentadiene	0.530	0.0959	"	0.958	ND	55.4	10-106		18.0	30			
Hexachloroethane	0.697	0.0959	"	0.958	ND	72.7	10-110		8.63	30			
Indeno(1,2,3-cd)pyrene	0.790	0.0959	"	0.958	ND	82.5	10-144		17.6	30			
Isophorone	0.826	0.0959	"	0.958	ND	86.2	10-132		10.6	30			
Naphthalene	0.728	0.0959	"	0.958	ND	76.0	10-141		9.33	30			
Nitrobenzene	0.755	0.0959	"	0.958	ND	78.8	10-131		11.2	30			
N-Nitrosodimethylamine	0.648	0.0959	"	0.958	ND	67.6	10-126		15.4	30			
N-nitroso-di-n-propylamine	0.735	0.0959	"	0.958	ND	76.7	10-125		14.6	30			
N-Nitrosodiphenylamine	1.03	0.0959	"	0.958	ND	108	10-177		15.7	30			
Pentachlorophenol	0.894	0.0959	"	0.958	ND	93.4	10-153		13.9	30			
Phenanthrene	0.767	0.0959	"	0.958	ND	80.1	10-148		15.8	30			
Phenol	0.725	0.0959	"	0.958	ND	75.7	10-126		15.6	30			
Pyrene	0.790	0.0959	"	0.958	ND	82.5	10-165		20.5	30			
Pyridine	0.406	0.384	"	0.958	ND	42.4	10-83		13.5	30			
Surrogate: SURR: 2-Fluorophenol	1.47		"	1.92		76.5	20-108						
Surrogate: SURR: Phenol-d5	1.49		"	1.92		77.8	23-114						
Surrogate: SURR: Nitrobenzene-d5	0.872		"	0.958		91.0	22-108						
Surrogate: SURR: 2-Fluorobiphenyl	0.784		"	0.958		81.8	21-113						
Surrogate: SURR: 2,4,6-Tribromophenol	2.38		"	1.92		124	19-110						
Surrogate: SURR: Terphenyl-d14	1.00		"	0.958		105	24-116						



Semivolatile 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 BC10983 - EPA 3546 SVOA											
Blank (BC10983-BLK1)	Blank										Prepared & Analyzed: 03/17/2021
1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								



Semivolatile 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 BC10983 - EPA 3546 SVOA

Blank (BC10983-BLK1)	Blank										Prepared & Analyzed: 03/17/2021
Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	0.914		"	1.67		54.9	20-108				
Surrogate: SURR: Phenol-d5	0.837		"	1.67		50.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.465		"	0.833		55.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.495		"	0.833		59.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.37		"	1.67		82.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.757		"	0.833		90.8	24-116				



Semivolatile 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 BC10983 - EPA 3546 SVOA											
LCS (BC10983-BS1)	LCS	Prepared & Analyzed: 03/17/2021									
1,1-Biphenyl	0.573	0.0417	mg/kg wet	0.833		68.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.661	0.0833	"	0.833		79.3	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.568	0.0417	"	0.833		68.2	17-137				
2,3,4,6-Tetrachlorophenol	0.721	0.0833	"	0.833		86.6	30-130				
2,4,5-Trichlorophenol	0.716	0.0417	"	0.833		85.9	27-118				
2,4,6-Trichlorophenol	0.656	0.0417	"	0.833		78.7	31-120				
2,4-Dichlorophenol	0.647	0.0417	"	0.833		77.6	20-127				
2,4-Dimethylphenol	0.632	0.0417	"	0.833		75.9	14-132				
2,4-Dinitrophenol	0.728	0.0833	"	0.833		87.4	10-171				
2,4-Dinitrotoluene	0.671	0.0417	"	0.833		80.6	34-131				
2,6-Dinitrotoluene	0.682	0.0417	"	0.833		81.8	31-128				
2-Chloronaphthalene	0.540	0.0417	"	0.833		64.8	31-117				
2-Chlorophenol	0.493	0.0417	"	0.833		59.2	33-113				
2-Methylnaphthalene	0.632	0.0417	"	0.833		75.8	12-138				
2-Methylphenol	0.522	0.0417	"	0.833		62.6	10-136				
2-Nitroaniline	0.645	0.0833	"	0.833		77.4	27-132				
2-Nitrophenol	0.650	0.0417	"	0.833		78.0	17-129				
3- & 4-Methylphenols	0.488	0.0417	"	0.833		58.6	29-103				
3,3-Dichlorobenzidine	0.495	0.0417	"	0.833		59.4	22-149				
3-Nitroaniline	0.586	0.0833	"	0.833		70.4	20-133				
4,6-Dinitro-2-methylphenol	0.855	0.0833	"	0.833		103	10-143				
4-Bromophenyl phenyl ether	0.653	0.0417	"	0.833		78.4	29-120				
4-Chloro-3-methylphenol	0.642	0.0417	"	0.833		77.0	24-129				
4-Chloroaniline	0.402	0.0417	"	0.833		48.3	10-132				
4-Chlorophenyl phenyl ether	0.610	0.0417	"	0.833		73.2	27-124				
4-Nitroaniline	0.652	0.0833	"	0.833		78.2	16-128				
4-Nitrophenol	0.622	0.0833	"	0.833		74.6	10-141				
Acenaphthene	0.543	0.0417	"	0.833		65.2	30-121				
Acenaphthylene	0.558	0.0417	"	0.833		67.0	30-115				
Acetophenone	0.493	0.0417	"	0.833		59.2	20-112				
Aniline	0.397	0.167	"	0.833		47.6	10-119				
Anthracene	0.667	0.0417	"	0.833		80.1	34-118				
Atrazine	0.725	0.0417	"	0.833		87.0	26-112				
Benzaldehyde	0.493	0.0417	"	0.833		59.2	21-100				
Benzo(a)anthracene	0.689	0.0417	"	0.833		82.7	32-122				
Benzo(a)pyrene	0.786	0.0417	"	0.833		94.3	29-133				
Benzo(b)fluoranthene	0.750	0.0417	"	0.833		90.0	25-133				
Benzo(g,h,i)perylene	0.866	0.0417	"	0.833		104	10-143				
Benzo(k)fluoranthene	0.776	0.0417	"	0.833		93.1	25-128				
Benzoic acid	0.719	0.0417	"	0.833		86.3	10-140				
Benzyl alcohol	0.573	0.0417	"	0.833		68.8	30-115				
Benzyl butyl phthalate	0.634	0.0417	"	0.833		76.0	26-126				
Bis(2-chloroethoxy)methane	0.550	0.0417	"	0.833		66.0	19-132				
Bis(2-chloroethyl)ether	0.356	0.0417	"	0.833		42.8	19-125				
Bis(2-chloroisopropyl)ether	0.506	0.0417	"	0.833		60.8	20-135				
Bis(2-ethylhexyl)phthalate	0.718	0.0417	"	0.833		86.2	10-155				
Caprolactam	0.799	0.0833	"	0.833		95.9	10-127				
Carbazole	0.663	0.0417	"	0.833		79.6	35-123				
Chrysene	0.725	0.0417	"	0.833		87.0	32-123				
Dibenzo(a,h)anthracene	0.802	0.0417	"	0.833		96.2	10-136				
Dibenzofuran	0.608	0.0417	"	0.833		73.0	29-121				



Semivolatile 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 BC10983 - EPA 3546 SVOA

LCS (BC10983-BS1)	LCS	Prepared & Analyzed: 03/17/2021									
Diethyl phthalate	0.597	0.0417	mg/kg wet	0.833		71.6	34-116				
Dimethyl phthalate	0.599	0.0417	"	0.833		71.9	35-124				
Di-n-butyl phthalate	0.609	0.0417	"	0.833		73.1	31-116				
Di-n-octyl phthalate	0.730	0.0417	"	0.833		87.6	26-136				
Diphenylamine	0.766	0.0833	"	0.833		91.9	40-140				
Fluoranthene	0.676	0.0417	"	0.833		81.1	33-122				
Fluorene	0.608	0.0417	"	0.833		73.0	29-123				
Hexachlorobenzene	0.592	0.0417	"	0.833		71.0	21-124				
Hexachlorobutadiene	0.549	0.0417	"	0.833		65.8	10-149				
Hexachlorocyclopentadiene	0.420	0.0417	"	0.833		50.4	10-129				
Hexachloroethane	0.424	0.0417	"	0.833		50.9	28-108				
Indeno(1,2,3-cd)pyrene	0.789	0.0417	"	0.833		94.6	10-135				
Isophorone	0.554	0.0417	"	0.833		66.4	20-132				
Naphthalene	0.542	0.0417	"	0.833		65.0	23-124				
Nitrobenzene	0.491	0.0417	"	0.833		59.0	13-132				
N-Nitrosodimethylamine	0.461	0.0417	"	0.833		55.3	11-129				
N-nitroso-di-n-propylamine	0.480	0.0417	"	0.833		57.6	24-119				
N-Nitrosodiphenylamine	0.759	0.0417	"	0.833		91.0	22-152				
Pentachlorophenol	0.646	0.0417	"	0.833		77.6	10-139				
Phenanthrene	0.652	0.0417	"	0.833		78.3	33-123				
Phenol	0.555	0.0417	"	0.833		66.6	23-115				
Pyrene	0.659	0.0417	"	0.833		79.1	24-130				
Pyridine	0.255	0.167	"	0.833		30.6	10-91				
Surrogate: SURR: 2-Fluorophenol	1.18		"	1.67		71.0	20-108				
Surrogate: SURR: Phenol-d5	1.17		"	1.67		70.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.617		"	0.833		74.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.687		"	0.833		82.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.97		"	1.67		118	19-110				
Surrogate: SURR: Terphenyl-d14	0.954		"	0.833		115	24-116				



Semivolatile 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 BC10983 - EPA 3546 SVOA

Matrix Spike (BC10983-MS1)	Matrix Spike	*Source sample: 21C0623-28 (Matrix Spike)						Prepared: 03/17/2021 Analyzed: 03/18/2021			
1,1-Biphenyl	0.765	0.0982	mg/kg dry	0.981	0.103	67.4	10-130				
1,2,4,5-Tetrachlorobenzene	0.697	0.196	"	0.981	ND	71.0	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.586	0.0982	"	0.981	ND	59.8	10-144				
2,3,4,6-Tetrachlorophenol	0.706	0.196	"	0.981	ND	71.9	30-130				
2,4,5-Trichlorophenol	0.673	0.0982	"	0.981	ND	68.6	10-127				
2,4,6-Trichlorophenol	0.555	0.0982	"	0.981	ND	56.6	10-132				
2,4-Dichlorophenol	0.633	0.0982	"	0.981	ND	64.5	10-128				
2,4-Dimethylphenol	0.654	0.0982	"	0.981	ND	66.6	10-137				
2,4-Dinitrophenol	0.634	0.196	"	0.981	ND	64.6	10-171				
2,4-Dinitrotoluene	0.971	0.0982	"	0.981	ND	99.0	16-135				
2,6-Dinitrotoluene	0.647	0.0982	"	0.981	ND	65.9	18-131				
2-Chloronaphthalene	0.579	0.0982	"	0.981	ND	59.0	10-129				
2-Chlorophenol	0.530	0.0982	"	0.981	ND	54.0	15-116				
2-Methylnaphthalene	0.763	0.0982	"	0.981	ND	77.8	10-147				
2-Methylphenol	0.571	0.0982	"	0.981	ND	58.2	10-136				
2-Nitroaniline	0.665	0.196	"	0.981	ND	67.8	10-137				
2-Nitrophenol	0.507	0.0982	"	0.981	ND	51.7	10-129				
3- & 4-Methylphenols	0.533	0.0982	"	0.981	ND	54.3	10-123				
3,3-Dichlorobenzidine	0.324	0.0982	"	0.981	ND	33.0	10-155				
3-Nitroaniline	0.513	0.196	"	0.981	ND	52.2	12-133				
4,6-Dinitro-2-methylphenol	0.731	0.196	"	0.981	ND	74.5	10-155				
4-Bromophenyl phenyl ether	0.658	0.0982	"	0.981	ND	67.0	14-128				
4-Chloro-3-methylphenol	0.661	0.0982	"	0.981	ND	67.4	10-134				
4-Chloroaniline	0.383	0.0982	"	0.981	ND	39.0	10-145				
4-Chlorophenyl phenyl ether	0.622	0.0982	"	0.981	ND	63.4	14-130				
4-Nitroaniline	0.622	0.196	"	0.981	ND	63.4	10-147				
4-Nitrophenol	0.579	0.196	"	0.981	ND	59.0	10-137				
Acenaphthene	0.659	0.0982	"	0.981	0.0509	62.0	10-146				
Acenaphthylene	0.604	0.0982	"	0.981	ND	61.5	10-134				
Acetophenone	1.47	0.0982	"	0.981	ND	150	10-116	High Bias			
Aniline	0.378	0.393	"	0.981	ND	38.5	10-123				
Anthracene	0.756	0.0982	"	0.981	0.0704	69.9	10-142				
Atrazine	0.666	0.0982	"	0.981	ND	67.9	19-115				
Benzaldehyde	0.753	0.0982	"	0.981	ND	76.7	10-125				
Benzo(a)anthracene	0.896	0.0982	"	0.981	0.126	78.5	10-158				
Benzo(a)pyrene	0.816	0.0982	"	0.981	0.113	71.6	10-180				
Benzo(b)fluoranthene	0.769	0.0982	"	0.981	0.0861	69.6	10-200				
Benzo(g,h,i)perylene	0.748	0.0982	"	0.981	0.0728	68.8	10-138				
Benzo(k)fluoranthene	0.768	0.0982	"	0.981	0.0900	69.2	10-197				
Benzoic acid	ND	0.0982	"	0.981	ND		10-166	Low Bias			
Benzyl alcohol	0.591	0.0982	"	0.981	ND	60.2	12-124				
Benzyl butyl phthalate	0.714	0.0982	"	0.981	ND	72.8	10-154				
Bis(2-chloroethoxy)methane	0.572	0.0982	"	0.981	ND	58.3	10-132				
Bis(2-chloroethyl)ether	0.622	0.0982	"	0.981	ND	63.4	10-119				
Bis(2-chloroisopropyl)ether	0.568	0.0982	"	0.981	ND	57.8	10-139				
Bis(2-ethylhexyl)phthalate	2.38	0.0982	"	0.981	0.475	194	10-167	High Bias			
Caprolactam	0.737	0.196	"	0.981	ND	75.1	10-132				
Carbazole	0.692	0.0982	"	0.981	ND	70.5	10-167				
Chrysene	0.933	0.0982	"	0.981	0.129	81.9	10-156				
Dibenzo(a,h)anthracene	0.633	0.0982	"	0.981	ND	64.6	10-137				
Dibenzofuran	0.704	0.0982	"	0.981	ND	71.8	10-147				



Semivolatile 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 BC10983 - EPA 3546 SVOA

Matrix Spike (BC10983-MS1)	Matrix Spike	*Source sample: 21C0623-28 (Matrix Spike)						Prepared: 03/17/2021 Analyzed: 03/18/2021			
Diethyl phthalate	0.575	0.0982	mg/kg dry	0.981	ND	58.6	20-120				
Dimethyl phthalate	0.579	0.0982	"	0.981	ND	59.0	18-131				
Di-n-butyl phthalate	0.691	0.0982	"	0.981	ND	70.4	10-137				
Di-n-octyl phthalate	0.767	0.0982	"	0.981	ND	78.2	10-180				
Diphenylamine	0.790	0.196	"	0.981	ND	80.5	40-140				
Fluoranthene	1.11	0.0982	"	0.981	0.293	83.4	10-160				
Fluorene	0.725	0.0982	"	0.981	0.0548	68.3	10-157				
Hexachlorobenzene	0.649	0.0982	"	0.981	ND	66.2	10-137				
Hexachlorobutadiene	0.563	0.0982	"	0.981	ND	57.4	10-132				
Hexachlorocyclopentadiene	ND	0.0982	"	0.981	ND		10-106	Low Bias			
Hexachloroethane	0.838	0.0982	"	0.981	ND	85.4	10-110				
Indeno(1,2,3-cd)pyrene	0.682	0.0982	"	0.981	0.0571	63.7	10-144				
Isophorone	0.577	0.0982	"	0.981	ND	58.8	10-132				
Naphthalene	0.755	0.0982	"	0.981	0.0947	67.3	10-141				
Nitrobenzene	0.571	0.0982	"	0.981	ND	58.2	10-131				
N-Nitrosodimethylamine	0.531	0.0982	"	0.981	ND	54.2	10-126				
N-nitroso-di-n-propylamine	0.529	0.0982	"	0.981	ND	53.9	10-125				
N-Nitrosodiphenylamine	0.828	0.0982	"	0.981	ND	84.4	10-177				
Pentachlorophenol	0.781	0.0982	"	0.981	0.0587	73.6	10-153				
Phenanthrene	1.03	0.0982	"	0.981	0.254	78.6	10-148				
Phenol	0.596	0.0982	"	0.981	ND	60.7	10-126				
Pyrene	1.15	0.0982	"	0.981	0.265	90.2	10-165				
Pyridine	0.268	0.393	"	0.981	ND	27.4	10-83				
Surrogate: SURR: 2-Fluorophenol	1.24		"	1.96		63.3	20-108				
Surrogate: SURR: Phenol-d5	1.27		"	1.96		64.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.683		"	0.981		69.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.705		"	0.981		71.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.58		"	1.96		80.4	19-110				
Surrogate: SURR: Terphenyl-d14	1.01		"	0.981		103	24-116				



Semivolatile 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 BC10983 - EPA 3546 SVOA											
Matrix Spike Dup (BC10983-1) Matrix Spike Dup						Source sample: 21C0623-28 (Matrix Spike Dup) Prepared: 03/17/2021 Analyzed: 03/18/2021					
1,1-Biphenyl	0.754	0.0982	mg/kg dry	0.981	0.103	66.3	10-130		1.45	30	
1,2,4,5-Tetrachlorobenzene	0.743	0.196	"	0.981	ND	75.8	10-133		6.43	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.597	0.0982	"	0.981	ND	60.9	10-144		1.86	30	
2,3,4,6-Tetrachlorophenol	0.719	0.196	"	0.981	ND	73.3	30-130		1.87	30	
2,4,5-Trichlorophenol	0.692	0.0982	"	0.981	ND	70.6	10-127		2.88	30	
2,4,6-Trichlorophenol	0.639	0.0982	"	0.981	ND	65.1	10-132		14.1	30	
2,4-Dichlorophenol	0.716	0.0982	"	0.981	ND	73.0	10-128		12.3	30	
2,4-Dimethylphenol	0.712	0.0982	"	0.981	ND	72.6	10-137		8.51	30	
2,4-Dinitrophenol	0.575	0.196	"	0.981	ND	58.6	10-171		9.87	30	
2,4-Dinitrotoluene	0.648	0.0982	"	0.981	ND	66.1	16-135		39.8	30	Non-dir.
2,6-Dinitrotoluene	0.652	0.0982	"	0.981	ND	66.4	18-131		0.726	30	
2-Chloronaphthalene	0.619	0.0982	"	0.981	ND	63.1	10-129		6.68	30	
2-Chlorophenol	0.600	0.0982	"	0.981	ND	61.2	15-116		12.5	30	
2-Methylnaphthalene	0.799	0.0982	"	0.981	ND	81.4	10-147		4.62	30	
2-Methylphenol	0.648	0.0982	"	0.981	ND	66.1	10-136		12.7	30	
2-Nitroaniline	0.658	0.196	"	0.981	ND	67.0	10-137		1.07	30	
2-Nitrophenol	0.651	0.0982	"	0.981	ND	66.3	10-129		24.8	30	
3- & 4-Methylphenols	0.595	0.0982	"	0.981	ND	60.6	10-123		11.0	30	
3,3-Dichlorobenzidine	0.331	0.0982	"	0.981	ND	33.8	10-155		2.16	30	
3-Nitroaniline	0.531	0.196	"	0.981	ND	54.2	12-133		3.61	30	
4,6-Dinitro-2-methylphenol	0.655	0.196	"	0.981	ND	66.8	10-155		10.9	30	
4-Bromophenyl phenyl ether	0.635	0.0982	"	0.981	ND	64.7	14-128		3.52	30	
4-Chloro-3-methylphenol	0.683	0.0982	"	0.981	ND	69.6	10-134		3.27	30	
4-Chloroaniline	0.425	0.0982	"	0.981	ND	43.4	10-145		10.5	30	
4-Chlorophenyl phenyl ether	0.626	0.0982	"	0.981	ND	63.8	14-130		0.755	30	
4-Nitroaniline	0.569	0.196	"	0.981	ND	58.0	10-147		8.83	30	
4-Nitrophenol	0.505	0.196	"	0.981	ND	51.4	10-137		13.6	30	
Acenaphthene	0.655	0.0982	"	0.981	0.0509	61.5	10-146		0.717	30	
Acenaphthylene	0.622	0.0982	"	0.981	ND	63.4	10-134		2.95	30	
Acetophenone	1.54	0.0982	"	0.981	ND	157	10-116	High Bias	4.22	30	
Aniline	0.284	0.393	"	0.981	ND	29.0	10-123		28.2	30	
Anthracene	0.688	0.0982	"	0.981	0.0704	63.0	10-142		9.35	30	
Atrazine	0.654	0.0982	"	0.981	ND	66.6	19-115		1.90	30	
Benzaldehyde	0.804	0.0982	"	0.981	ND	81.9	10-125		6.56	30	
Benzo(a)anthracene	0.761	0.0982	"	0.981	0.126	64.7	10-158		16.4	30	
Benzo(a)pyrene	0.674	0.0982	"	0.981	0.113	57.2	10-180		19.0	30	
Benzo(b)fluoranthene	0.666	0.0982	"	0.981	0.0861	59.1	10-200		14.4	30	
Benzo(g,h,i)perylene	0.667	0.0982	"	0.981	0.0728	60.6	10-138		11.4	30	
Benzo(k)fluoranthene	0.669	0.0982	"	0.981	0.0900	59.0	10-197		13.9	30	
Benzoic acid	ND	0.0982	"	0.981	ND		10-166	Low Bias		30	
Benzyl alcohol	0.673	0.0982	"	0.981	ND	68.6	12-124		12.9	30	
Benzyl butyl phthalate	0.706	0.0982	"	0.981	ND	71.9	10-154		1.22	30	
Bis(2-chloroethoxy)methane	0.626	0.0982	"	0.981	ND	63.8	10-132		8.91	30	
Bis(2-chloroethyl)ether	0.666	0.0982	"	0.981	ND	67.8	10-119		6.83	30	
Bis(2-chloroisopropyl)ether	0.637	0.0982	"	0.981	ND	65.0	10-139		11.6	30	
Bis(2-ethylhexyl)phthalate	1.25	0.0982	"	0.981	0.475	78.9	10-167		62.3	30	Non-dir.
Caprolactam	0.779	0.196	"	0.981	ND	79.4	10-132		5.49	30	
Carbazole	0.652	0.0982	"	0.981	ND	66.4	10-167		5.96	30	
Chrysene	0.788	0.0982	"	0.981	0.129	67.2	10-156		16.8	30	
Dibenzo(a,h)anthracene	0.591	0.0982	"	0.981	ND	60.2	10-137		6.92	30	
Dibenzofuran	0.704	0.0982	"	0.981	ND	71.8	10-147		0.00	30	



Semivolatile 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 BC10983 - EPA 3546 SVOA

Matrix Spike Dup (BC10983-1)				Source sample: 21C0623-28 (Matrix Spike Dup)				Prepared: 03/17/2021 Analyzed: 03/18/2021			
Diethyl phthalate	0.570	0.0982	mg/kg dry	0.981	ND	58.1	20-120		0.823	30	
Dimethyl phthalate	0.589	0.0982	"	0.981	ND	60.0	18-131		1.61	30	
Di-n-butyl phthalate	0.646	0.0982	"	0.981	ND	65.8	10-137		6.69	30	
Di-n-octyl phthalate	0.716	0.0982	"	0.981	ND	73.0	10-180		6.88	30	
Diphenylamine	0.760	0.196	"	0.981	ND	77.4	40-140		3.85	30	
Fluoranthene	0.838	0.0982	"	0.981	0.293	55.5	10-160		28.0	30	
Fluorene	0.695	0.0982	"	0.981	0.0548	65.3	10-157		4.09	30	
Hexachlorobenzene	0.604	0.0982	"	0.981	ND	61.6	10-137		7.14	30	
Hexachlorobutadiene	0.614	0.0982	"	0.981	ND	62.6	10-132		8.67	30	
Hexachlorocyclopentadiene	ND	0.0982	"	0.981	ND		10-106	Low Bias		30	
Hexachloroethane	0.812	0.0982	"	0.981	ND	82.8	10-110		3.04	30	
Indeno(1,2,3-cd)pyrene	0.616	0.0982	"	0.981	0.0571	57.0	10-144		10.2	30	
Isophorone	0.626	0.0982	"	0.981	ND	63.8	10-132		8.22	30	
Naphthalene	0.771	0.0982	"	0.981	0.0947	68.9	10-141		2.06	30	
Nitrobenzene	0.620	0.0982	"	0.981	ND	63.2	10-131		8.17	30	
N-Nitrosodimethylamine	0.599	0.0982	"	0.981	ND	61.0	10-126		11.9	30	
N-nitroso-di-n-propylamine	0.596	0.0982	"	0.981	ND	60.7	10-125		11.9	30	
N-Nitrosodiphenylamine	0.792	0.0982	"	0.981	ND	80.7	10-177		4.46	30	
Pentachlorophenol	0.800	0.0982	"	0.981	0.0587	75.5	10-153		2.38	30	
Phenanthrene	0.787	0.0982	"	0.981	0.254	54.3	10-148		26.2	30	
Phenol	0.692	0.0982	"	0.981	ND	70.6	10-126		15.0	30	
Pyrene	0.900	0.0982	"	0.981	0.265	64.6	10-165		24.5	30	
Pyridine	0.296	0.393	"	0.981	ND	30.2	10-83		9.74	30	
Surrogate: SURR: 2-Fluorophenol	1.45		"	1.96		73.6	20-108				
Surrogate: SURR: Phenol-d5	1.41		"	1.96		71.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.738		"	0.981		75.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.765		"	0.981		77.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.76		"	1.96		89.5	19-110				
Surrogate: SURR: Terphenyl-d14	1.03		"	0.981		105	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC10568 - EPA 3550C											
Blank (BC10568-BLK1)	Blank		Prepared & Analyzed: 03/10/2021								
1,4-Dioxane	ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8	277		"	495		56.0	39-127.5				
LCS (BC10568-BS1)	LCS		Prepared & Analyzed: 03/10/2021								
1,4-Dioxane	457	9.90	ug/kg	495		92.4	40-130				
Surrogate: 1,4-Dioxane-d8	257		"	495		52.0	39-127.5				
Matrix Spike (BC10568-MS1)	Matrix Spike	*Source sample: 21C0255-01 (Matrix Spike)		Prepared & Analyzed: 03/10/2021							
1,4-Dioxane	495	9.90	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8	248		"	495		50.0	40-130				
Matrix Spike (BC10568-MS2)	Matrix Spike	*Source sample: 21C0344-02 (Matrix Spike)		Prepared & Analyzed: 03/10/2021							
1,4-Dioxane	475	9.90	ug/kg	495	ND	96.0	40-130				
Surrogate: 1,4-Dioxane-d8	248		"	495		50.0	40-130				
Matrix Spike Dup (BC10568-1)	Matrix Spike Dup	*Source sample: 21C0255-01 (Matrix Spike Dup)		Prepared & Analyzed: 03/10/2021							
1,4-Dioxane	474	9.90	ug/kg	495	ND	95.8	40-130		4.29	30	
Surrogate: 1,4-Dioxane-d8	238		"	495		48.0	40-130				
Matrix Spike Dup (BC10568-2)	Matrix Spike Dup	*Source sample: 21C0344-02 (Matrix Spike Dup)		Prepared & Analyzed: 03/10/2021							
1,4-Dioxane	517	9.90	ug/kg	495	ND	104	40-130		8.38	30	
Surrogate: 1,4-Dioxane-d8	228		"	495		46.0	40-130				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Blank (BC10474-BLK1)		Blank		Prepared: 03/08/2021 Analyzed: 03/10/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	91.3		"	74.3		123	25-150				
Surrogate: M5PFHxA	93.3		"	80.0		117	25-150				
Surrogate: M4PFHpA	84.0		"	80.0		105	25-150				
Surrogate: M3PFHxS	84.6		"	75.7		112	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.0		"	80.0		104	25-150				
Surrogate: M6PFDA	75.3		"	80.0		94.1	25-150				
Surrogate: M7PFUdA	64.2		"	80.0		80.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	45.0		"	80.0		56.3	25-150				
Surrogate: M2PFTeDA	11.8		"	80.0		14.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	95.6		"	80.0		120	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.8		"	76.6		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	98.7		"	80.0		123	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	33.5		"	80.0		41.9	10-150				
Surrogate: d3-N-MeFOSAA	49.2		"	80.0		61.5	25-150				
Surrogate: d5-N-EtFOSAA	46.8		"	80.0		58.5	25-150				
Surrogate: M2-6:2 FTS	77.6		"	75.9		102	25-150				
Surrogate: M2-8:2 FTS	69.0		"	76.6		90.1	25-150				
Surrogate: M9PFNA	79.7		"	80.0		99.7	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

LCS (BC10474-BS1)	LCS	Prepared: 03/08/2021 Analyzed: 03/10/2021									
Perfluorobutanesulfonic acid (PFBS)	68.8	2.00	ng/L	70.8		97.2	50-130				
Perfluorohexanoic acid (PFHxA)	78.9	2.00	"	80.0		98.6	50-130				
Perfluoroheptanoic acid (PFHpA)	79.0	2.00	"	80.0		98.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.5	2.00	"	73.0		81.5	50-130				
Perfluorooctanoic acid (PFOA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	54.5	2.00	"	74.1		73.5	50-130				
Perfluorononanoic acid (PFNA)	79.0	2.00	"	80.0		98.7	50-130				
Perfluorodecanoic acid (PFDA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	79.8	2.00	"	80.0		99.7	50-130				
Perfluorododecanoic acid (PFDoA)	80.0	2.00	"	80.0		100	50-130				
Perfluorotridecanoic acid (PFTriDA)	66.0	2.00	"	80.0		82.5	50-130				
Perfluorotetradecanoic acid (PFTA)	79.5	2.00	"	80.0		99.4	50-130				
N-MeFOSAA	78.6	2.00	"	80.0		98.3	50-130				
N-EtFOSAA	84.5	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	75.0	2.00	"	80.0		93.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.4	2.00	"	76.0		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	70.5	2.00	"	77.2		91.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	74.0	5.00	"	76.0		97.3	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	73.5	2.00	"	76.8		95.7	50-130				
Perfluoro-n-butanoic acid (PFBA)	79.3	2.00	"	80.0		99.1	50-130				
Surrogate: M3PFBS	88.9		"	74.3		120	25-150				
Surrogate: M5PFHxA	89.5		"	80.0		112	25-150				
Surrogate: M4PFHpA	81.3		"	80.0		102	25-150				
Surrogate: M3PFHxS	84.3		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.1		"	80.0		100	25-150				
Surrogate: M6PFDA	74.6		"	80.0		93.2	25-150				
Surrogate: M7PFUdA	70.3		"	80.0		87.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	63.5		"	80.0		79.4	25-150				
Surrogate: M2PFTeDA	44.4		"	80.0		55.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.1		"	80.0		115	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.2		"	76.6		106	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	92.7		"	80.0		116	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	35.8		"	80.0		44.8	10-150				
Surrogate: d3-N-MeFOSAA	62.0		"	80.0		77.4	25-150				
Surrogate: d5-N-EtFOSAA	57.0		"	80.0		71.3	25-150				
Surrogate: M2-6:2 FTS	84.5		"	75.9		111	25-150				
Surrogate: M2-8:2 FTS	73.3		"	76.6		95.7	25-150				
Surrogate: M9PFNA	74.4		"	80.0		93.1	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

LCS Dup (BC10474-BSD1) LCS Dup		Prepared: 03/08/2021 Analyzed: 03/10/2021									
Perfluorobutanesulfonic acid (PFBS)	70.3	2.00	ng/L	70.8		99.2	50-130		2.08	30	
Perfluorohexanoic acid (PFHxA)	77.5	2.00	"	80.0		96.9	50-130		1.77	30	
Perfluoroheptanoic acid (PFHpA)	77.9	2.00	"	80.0		97.3	50-130		1.50	30	
Perfluorohexanesulfonic acid (PFHxS)	59.9	2.00	"	73.0		82.1	50-130		0.698	30	
Perfluorooctanoic acid (PFOA)	78.6	2.00	"	80.0		98.3	50-130		0.198	30	
Perfluorooctanesulfonic acid (PFOS)	58.0	2.00	"	74.1		78.3	50-130		6.27	30	
Perfluorononanoic acid (PFNA)	79.2	2.00	"	80.0		99.0	50-130		0.304	30	
Perfluorodecanoic acid (PFDA)	77.9	2.00	"	80.0		97.4	50-130		3.04	30	
Perfluoroundecanoic acid (PFUnA)	77.6	2.00	"	80.0		96.9	50-130		2.81	30	
Perfluorododecanoic acid (PFDoA)	77.5	2.00	"	80.0		96.9	50-130		3.11	30	
Perfluorotridecanoic acid (PFTriDA)	58.0	2.00	"	80.0		72.5	50-130		13.0	30	
Perfluorotetradecanoic acid (PFTA)	80.0	2.00	"	80.0		100	50-130		0.639	30	
N-MeFOSAA	81.1	2.00	"	80.0		101	50-130		3.10	30	
N-EtFOSAA	84.3	2.00	"	80.0		105	50-130		0.287	30	
Perfluoropentanoic acid (PFPeA)	80.4	2.00	"	80.0		101	50-130		2.12	30	
Perfluoro-1-octanesulfonamide (FOSA)	77.2	2.00	"	80.0		96.5	50-130		2.95	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.8	2.00	"	76.0		110	50-130		5.37	30	
Perfluoro-1-decanesulfonic acid (PFDS)	66.3	2.00	"	77.2		85.9	50-130		6.13	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	79.1	5.00	"	76.0		104	50-130		6.74	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	74.4	2.00	"	76.8		96.9	50-130		1.26	30	
Perfluoro-n-butanoic acid (PFBA)	80.6	2.00	"	80.0		101	50-130		1.67	30	
Surrogate: M3PFBS	87.0		"	74.3		117	25-150				
Surrogate: M5PFHxA	91.0		"	80.0		114	25-150				
Surrogate: M4PFHpA	83.8		"	80.0		105	25-150				
Surrogate: M3PFHxS	84.3		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.6		"	80.0		105	25-150				
Surrogate: M6PFDA	72.6		"	80.0		90.8	25-150				
Surrogate: M7PFUdA	67.5		"	80.0		84.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	56.6		"	80.0		70.8	25-150				
Surrogate: M2PFTeDA	27.2		"	80.0		34.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.5		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.6		"	76.6		101	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	91.5		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	40.3		"	80.0		50.4	10-150				
Surrogate: d3-N-MeFOSAA	56.5		"	80.0		70.6	25-150				
Surrogate: d5-N-EtFOSAA	50.9		"	80.0		63.6	25-150				
Surrogate: M2-6:2 FTS	80.8		"	75.9		106	25-150				
Surrogate: M2-8:2 FTS	71.2		"	76.6		92.9	25-150				
Surrogate: M9PFNA	73.4		"	80.0		91.7	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC10474-MS1)	Matrix Spike	*Source sample: 21C0328-05 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/10/2021		
Perfluorobutanesulfonic acid (PFBS)	44.2	0.954	ng/L	33.8	6.15	113	25-150	High Bias		
Perfluorohexanoic acid (PFHxA)	53.5	0.954	"	38.2	10.0	114	25-150			
Perfluoroheptanoic acid (PFHpA)	49.9	0.954	"	38.2	13.0	96.6	25-150			
Perfluorohexanesulfonic acid (PFHxS)	43.5	0.954	"	34.8	16.2	78.4	25-150			
Perfluorooctanoic acid (PFOA)	78.5	0.954	"	38.2	27.7	133	25-150			
Perfluorooctanesulfonic acid (PFOS)	130	0.954	"	35.3	ND	369	25-150			
Perfluorononanoic acid (PFNA)	66.0	0.954	"	38.2	17.3	128	25-150			
Perfluorodecanoic acid (PFDA)	41.9	0.954	"	38.2	ND	110	25-150			
Perfluoroundecanoic acid (PFUnA)	42.7	0.954	"	38.2	1.74	107	25-150			
Perfluorododecanoic acid (PFDoA)	41.5	0.954	"	38.2	ND	109	25-150			
Perfluorotridecanoic acid (PFTTrDA)	46.5	0.954	"	38.2	ND	122	25-150			
Perfluorotetradecanoic acid (PFTA)	41.2	0.954	"	38.2	ND	108	25-150			
N-MeFOSAA	41.9	0.954	"	38.2	ND	110	25-150			
N-EtFOSAA	43.8	0.954	"	38.2	ND	115	25-150			
Perfluoropentanoic acid (PFPeA)	55.4	0.954	"	38.2	13.9	109	25-150			
Perfluoro-1-octanesulfonamide (FOSA)	41.7	0.954	"	38.2	ND	109	25-150			
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.6	0.954	"	36.3	16.0	137	25-150			
Perfluoro-1-decanesulfonic acid (PFDS)	41.5	0.954	"	36.8	ND	113	25-150			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	38.3	2.39	"	36.3	ND	106	25-150			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	41.8	0.954	"	36.6	ND	114	25-150			
Perfluoro-n-butanoic acid (PFBA)	51.5	0.954	"	38.2	8.51	113	25-150			
Surrogate: M3PFBS	38.3		"	35.5		108	25-150			
Surrogate: M5PFHxA	39.7		"	38.2		104	25-150			
Surrogate: M4PFHpA	42.8		"	38.2		112	25-150			
Surrogate: M3PFHxS	38.9		"	36.1		108	25-150			
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.2		"	38.2		84.2	25-150			
Surrogate: M6PFDA	27.2		"	38.2		71.2	25-150			
Surrogate: M7PFUdA	24.2		"	38.2		63.5	25-150			
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	22.6		"	38.2		59.3	25-150			
Surrogate: M2PFTeDA	14.3		"	38.2		37.5	10-150			
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	41.2		"	38.2		108	25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	31.8		"	36.5		86.9	25-150			
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	37.2		"	38.2		97.5	25-150			
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.68		"	38.2		9.65	10-150			
Surrogate: d3-N-MeFOSAA	21.9		"	38.2		57.3	25-150			
Surrogate: d5-N-EtFOSAA	19.2		"	38.2		50.2	25-150			
Surrogate: M2-6:2 FTS	41.9		"	36.2		116	25-150			
Surrogate: M2-8:2 FTS	30.0		"	36.6		82.0	25-150			
Surrogate: M9PFNA	25.0		"	38.2		65.4	25-150			



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC10474-MS2)	Matrix Spike	*Source sample: 21C0328-05RE1 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/11/2021			
Perfluorooctanesulfonic acid (PFOS)	1230	50.0	ng/L	74.1	540	938	25-150	High Bias			

Batch BC10475 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC10475-BLK1)	Blank	Prepared: 03/08/2021 Analyzed: 03/11/2021									

Perfluorobutanesulfonic acid (PFBS)	ND	0.454	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.454	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.454	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.454	"								
Perfluorooctanoic acid (PFOA)	ND	0.454	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.454	"								
Perfluorononanoic acid (PFNA)	ND	0.454	"								
Perfluorodecanoic acid (PFDA)	ND	0.454	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.454	"								
Perfluorododecanoic acid (PFDoA)	ND	0.454	"								
Perfluorotridecanoic acid (PFTDA)	ND	0.454	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.454	"								
N-MeFOSAA	ND	0.454	"								
N-EtFOSAA	ND	0.454	"								
Perfluoropentanoic acid (PFPeA)	ND	0.454	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.454	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.454	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.454	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.454	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.454	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.454	"								
<i>Surrogate: M3PFBS</i>	4.35		"	4.22		103	25-150				
<i>Surrogate: M5PFHxA</i>	4.79		"	4.54		105	25-150				
<i>Surrogate: M4PFHpA</i>	3.09		"	4.54		68.2	25-150				
<i>Surrogate: M3PFHxS</i>	3.69		"	4.29		86.0	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	4.15		"	4.54		91.5	25-150				
<i>Surrogate: M6PFDA</i>	4.18		"	4.54		92.1	25-150				
<i>Surrogate: M7PFUdA</i>	3.12		"	4.54		68.7	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	3.18		"	4.54		70.0	25-150				
<i>Surrogate: M2PFTeDA</i>	2.87		"	4.54		63.1	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	5.52		"	4.54		122	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	3.88		"	4.34		89.3	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	5.10		"	4.54		112	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	3.79		"	4.54		83.4	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	2.79		"	4.54		61.5	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	2.73		"	4.54		60.2	25-150				
<i>Surrogate: M2-6:2 FTS</i>	3.08		"	4.31		71.6	25-150				
<i>Surrogate: M2-8:2 FTS</i>	5.02		"	4.35		115	25-150				
<i>Surrogate: M9PFNA</i>	6.43		"	4.54		142	25-150				



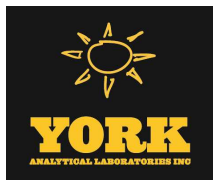
PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10475 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BC10475-BS1)	LCS	Prepared: 03/08/2021 Analyzed: 03/11/2021									
Perfluorobutanesulfonic acid (PFBS)	4.79	0.494	ug/kg wet	4.38		109	50-130				
Perfluorohexanoic acid (PFHxA)	4.71	0.494	"	4.94		95.2	50-130				
Perfluoroheptanoic acid (PFHpA)	6.30	0.494	"	4.94		127	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.07	0.494	"	4.51		112	50-130				
Perfluorooctanoic acid (PFOA)	4.30	0.494	"	4.94		87.0	50-130				
Perfluorooctanesulfonic acid (PFOS)	5.49	0.494	"	4.58		120	50-130				
Perfluorononanoic acid (PFNA)	4.28	0.494	"	4.94		86.6	50-130				
Perfluorodecanoic acid (PFDA)	4.40	0.494	"	4.94		88.9	50-130				
Perfluoroundecanoic acid (PFUnA)	5.05	0.494	"	4.94		102	50-130				
Perfluorododecanoic acid (PFDoA)	5.19	0.494	"	4.94		105	50-130				
Perfluorotridecanoic acid (PFTDA)	4.62	0.494	"	4.94		93.5	50-130				
Perfluorotetradecanoic acid (PFTA)	5.25	0.494	"	4.94		106	50-130				
N-MeFOSAA	5.73	0.494	"	4.94		116	50-130				
N-EtFOSAA	5.09	0.494	"	4.94		103	50-130				
Perfluoropentanoic acid (PFPeA)	5.16	0.494	"	4.94		104	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	5.18	0.494	"	4.94		105	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.25	0.494	"	4.70		112	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	5.60	0.494	"	4.77		117	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.55	0.494	"	4.70		75.6	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.42	0.494	"	4.75		93.1	50-130				
Perfluoro-n-butanoic acid (PFBA)	5.43	0.494	"	4.94		110	50-130				
Surrogate: M3PFBS	4.29		"	4.59		93.3	25-150				
Surrogate: M5PFHxA	4.78		"	4.94		96.7	25-150				
Surrogate: M4PFHpA	3.04		"	4.94		61.4	25-150				
Surrogate: M3PFHxS	3.66		"	4.68		78.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.15		"	4.94		83.9	25-150				
Surrogate: M6PFDA	4.10		"	4.94		82.9	25-150				
Surrogate: M7PFUdA	3.17		"	4.94		64.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.09		"	4.94		62.4	25-150				
Surrogate: M2PFTeDA	3.01		"	4.94		60.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.64		"	4.94		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.54		"	4.73		74.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	5.17		"	4.94		105	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.65		"	4.94		73.9	10-150				
Surrogate: d3-N-MeFOSAA	2.35		"	4.94		47.4	25-150				
Surrogate: d5-N-EtFOSAA	2.60		"	4.94		52.6	25-150				
Surrogate: M2-6:2 FTS	3.69		"	4.69		78.7	25-150				
Surrogate: M2-8:2 FTS	4.43		"	4.74		93.6	25-150				
Surrogate: M9PFNA	6.16		"	4.94		125	25-150				



PFAS Target compounds by LC/MS-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 BC10475 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC10475-MS1)		Matrix Spike	*Source sample: 21C0255-01 (Matrix Spike)				Prepared: 03/08/2021 Analyzed: 03/11/2021				
Perfluorobutanesulfonic acid (PFBS)	6.24	0.604	ug/kg dry	5.35	ND	117	25-150				
Perfluorohexanoic acid (PFHxA)	6.01	0.604	"	6.04	ND	99.5	25-150				
Perfluoroheptanoic acid (PFHpA)	10.8	0.604	"	6.04	ND	179	25-150	High Bias			
Perfluorohexanesulfonic acid (PFHxS)	7.15	0.604	"	5.51	ND	130	25-150				
Perfluorooctanoic acid (PFOA)	5.74	0.604	"	6.04	ND	94.9	25-150				
Perfluorooctanesulfonic acid (PFOS)	9.65	0.604	"	5.60	ND	172	25-150	High Bias			
Perfluorononanoic acid (PFNA)	5.60	0.604	"	6.04	ND	92.7	25-150				
Perfluorodecanoic acid (PFDA)	5.46	0.604	"	6.04	ND	90.3	25-150				
Perfluoroundecanoic acid (PFUnA)	6.45	0.604	"	6.04	ND	107	25-150				
Perfluorododecanoic acid (PFDoA)	6.60	0.604	"	6.04	ND	109	25-150				
Perfluorotridecanoic acid (PFTDA)	8.68	0.604	"	6.04	ND	144	25-150				
Perfluorotetradecanoic acid (PFTA)	6.38	0.604	"	6.04	ND	106	25-150				
N-MeFOSAA	7.40	0.604	"	6.04	ND	123	25-150				
N-EtFOSAA	6.08	0.604	"	6.04	ND	101	25-150				
Perfluoropentanoic acid (PFPeA)	6.84	0.604	"	6.04	ND	113	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.36	0.604	"	6.04	ND	105	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	8.57	0.604	"	5.74	ND	149	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.56	0.604	"	5.83	ND	78.3	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	6.28	0.604	"	5.74	ND	109	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.86	0.604	"	5.80	ND	101	25-150				
Perfluoro-n-butanoic acid (PFBA)	7.13	0.604	"	6.04	1.22	97.9	25-150				
Surrogate: M3PFBS	3.12		"	5.61		55.6	25-150				
Surrogate: M5PFHxA	4.50		"	6.04		74.4	25-150				
Surrogate: M4PFHpA	2.31		"	6.04		38.3	25-150				
Surrogate: M3PFHxS	2.77		"	5.72		48.5	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.78		"	6.04		79.0	25-150				
Surrogate: M6PFDA	3.26		"	6.04		53.9	25-150				
Surrogate: M7PFUdA	2.44		"	6.04		40.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	1.23		"	6.04		20.4	25-150				
Surrogate: M2PFTeDA	1.35		"	6.04		22.3	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.49		"	6.04		74.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.39		"	5.78		41.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.07		"	6.04		67.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.68		"	6.04		27.8	10-150				
Surrogate: d3-N-MeFOSAA	2.58		"	6.04		42.6	25-150				
Surrogate: d5-N-EtFOSAA	3.03		"	6.04		50.1	25-150				
Surrogate: M2-6:2 FTS	18.2		"	5.73		317	25-150				
Surrogate: M2-8:2 FTS	12.2		"	5.79		211	25-150				
Surrogate: M9PFNA	3.30		"	6.04		54.6	25-150				



PFAS Target compounds by LC/MS-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 BC10475 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC10475-1) Matrix Spike Dup					Source sample: 21C0255-01 (Matrix Spike Dup)							Prepared: 03/08/2021 Analyzed: 03/11/2021	
Perfluorobutanesulfonic acid (PFBS)	5.13	0.577	ug/kg dry	5.10	ND	101	25-150			19.5	35		
Perfluorohexanoic acid (PFHxA)	5.38	0.577	"	5.77	ND	93.3	25-150			11.1	35		
Perfluoroheptanoic acid (PFHpA)	10.5	0.577	"	5.77	0.586	171	25-150	High Bias		3.26	35		
Perfluorohexanesulfonic acid (PFHxS)	7.00	0.577	"	5.26	ND	133	25-150			2.02	35		
Perfluorooctanoic acid (PFOA)	4.76	0.577	"	5.77	ND	82.6	25-150			18.6	35		
Perfluorooctanesulfonic acid (PFOS)	9.59	0.577	"	5.34	0.592	168	25-150	High Bias		0.612	35		
Perfluorononanoic acid (PFNA)	5.05	0.577	"	5.77	ND	87.6	25-150			10.4	35		
Perfluorodecanoic acid (PFDA)	4.94	0.577	"	5.77	ND	85.6	25-150			10.0	35		
Perfluoroundecanoic acid (PFUnA)	5.67	0.577	"	5.77	ND	98.4	25-150			12.8	35		
Perfluorododecanoic acid (PFDoA)	6.26	0.577	"	5.77	ND	109	25-150			5.26	35		
Perfluorotridecanoic acid (PFTriDA)	8.84	0.577	"	5.77	ND	153	25-150	High Bias		1.82	35		
Perfluorotetradecanoic acid (PFTA)	5.92	0.577	"	5.77	ND	103	25-150			7.39	35		
N-MeFOSAA	6.02	0.577	"	5.77	ND	104	25-150			20.5	35		
N-EtFOSAA	4.91	0.577	"	5.77	ND	85.2	25-150			21.3	35		
Perfluoropentanoic acid (PFPeA)	6.16	0.577	"	5.77	ND	107	25-150			10.4	35		
Perfluoro-1-octanesulfonamide (FOSA)	5.81	0.577	"	5.77	ND	101	25-150			9.05	35		
Perfluoro-1-heptanesulfonic acid (PFHpS)	8.80	0.577	"	5.48	ND	161	25-150	High Bias		2.70	35		
Perfluoro-1-decanesulfonic acid (PFDS)	4.41	0.577	"	5.56	ND	79.3	25-150			3.33	35		
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.83	0.577	"	5.48	ND	106	25-150			7.55	35		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	5.94	0.577	"	5.54	ND	107	25-150			1.21	35		
Perfluoro-n-butanoic acid (PFBA)	6.10	0.577	"	5.77	1.22	84.7	25-150			15.6	35		
Surrogate: M3PFBS	3.63		"	5.36		67.7	25-150						
Surrogate: M5PFHxA	4.92		"	5.77		85.3	25-150						
Surrogate: M4PFHpA	2.36		"	5.77		40.9	25-150						
Surrogate: M3PFHxS	2.98		"	5.45		54.7	25-150						
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.19		"	5.77		90.0	25-150						
Surrogate: M6PFDA	3.09		"	5.77		53.6	25-150						
Surrogate: M7PFUdA	2.52		"	5.77		43.8	25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	0.989		"	5.77		17.1	25-150						
Surrogate: M2PFTeDA	1.29		"	5.77		22.3	10-150						
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.05		"	5.77		87.5	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.28		"	5.52		41.4	25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.46		"	5.77		77.3	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	1.54		"	5.77		26.7	10-150						
Surrogate: d3-N-MeFOSAA	2.59		"	5.77		45.0	25-150						
Surrogate: d5-N-EtFOSAA	3.19		"	5.77		55.3	25-150						
Surrogate: M2-6:2 FTS	19.1		"	5.47		349	25-150						
Surrogate: M2-8:2 FTS	11.7		"	5.52		212	25-150						
Surrogate: M9PFNA	3.33		"	5.77		57.8	25-150						



Organochlorine Pesticides by GC/ECD - 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 BC10491 - EPA 3550C

Blank (BC10491-BLK1)	Blank		Prepared: 03/09/2021 Analyzed: 03/10/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0683		"	0.0664		103	30-150				
Surrogate: Tetrachloro-m-xylene	0.0600		"	0.0664		90.3	30-150				

LCS (BC10491-BS1)	LCS		Prepared: 03/09/2021 Analyzed: 03/10/2021								
4,4'-DDD	0.0449	0.00164	mg/kg wet	0.0332		135	40-140				
4,4'-DDE	0.0423	0.00164	"	0.0332		127	40-140				
4,4'-DDT	0.0256	0.00164	"	0.0332		77.1	40-140				
Aldrin	0.0420	0.00164	"	0.0332		127	40-140				
alpha-BHC	0.0375	0.00164	"	0.0332		113	40-140				
alpha-Chlordane	0.0388	0.00164	"	0.0332		117	40-140				
beta-BHC	0.0342	0.00164	"	0.0332		103	40-140				
delta-BHC	0.0378	0.00164	"	0.0332		114	40-140				
Dieldrin	0.0407	0.00164	"	0.0332		123	40-140				
Endosulfan I	0.0476	0.00164	"	0.0332		143	40-140	High Bias			
Endosulfan II	0.0436	0.00164	"	0.0332		131	40-140				
Endosulfan sulfate	0.0426	0.00164	"	0.0332		128	40-140				
Endrin	0.0348	0.00164	"	0.0332		105	40-140				
Endrin aldehyde	0.0425	0.00164	"	0.0332		128	40-140				
Endrin ketone	0.0436	0.00164	"	0.0332		131	40-140				
gamma-BHC (Lindane)	0.0384	0.00164	"	0.0332		116	40-140				
gamma-Chlordane	0.0406	0.00164	"	0.0332		122	40-140				
Heptachlor	0.0397	0.00164	"	0.0332		119	40-140				
Heptachlor epoxide	0.0418	0.00164	"	0.0332		126	40-140				
Methoxychlor	0.0223	0.00164	"	0.0332		67.2	40-140				
Surrogate: Decachlorobiphenyl	0.0695		"	0.0664		105	30-150				
Surrogate: Tetrachloro-m-xylene	0.0614		"	0.0664		92.4	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC10491 - EPA 3550C

Matrix Spike (BC10491-MS1)	Matrix Spike	*Source sample: 21C0267-05 (SB06 0-0.5)						Prepared: 03/09/2021 Analyzed: 03/15/2021			
4,4'-DDD	0.0342	0.00180	mg/kg dry	0.0363	ND	94.4	30-150				
4,4'-DDE	0.0255	0.00180	"	0.0363	ND	70.3	30-150				
4,4'-DDT	0.0250	0.00180	"	0.0363	ND	69.0	30-150				
Aldrin	0.0371	0.00180	"	0.0363	ND	102	30-150				
alpha-BHC	0.0344	0.00180	"	0.0363	ND	95.0	30-150				
alpha-Chlordane	0.0282	0.00180	"	0.0363	ND	77.7	30-150				
beta-BHC	0.0333	0.00180	"	0.0363	ND	91.9	30-150				
delta-BHC	0.0273	0.00180	"	0.0363	ND	75.4	30-150				
Dieldrin	0.0313	0.00180	"	0.0363	ND	86.3	30-150				
Endosulfan I	0.0306	0.00180	"	0.0363	ND	84.3	30-150				
Endosulfan II	0.0312	0.00180	"	0.0363	ND	85.9	30-150				
Endosulfan sulfate	0.0315	0.00180	"	0.0363	ND	86.9	30-150				
Endrin	0.0288	0.00180	"	0.0363	ND	79.5	30-150				
Endrin aldehyde	0.0235	0.00180	"	0.0363	ND	64.7	30-150				
Endrin ketone	0.0308	0.00180	"	0.0363	ND	84.9	30-150				
gamma-BHC (Lindane)	0.0300	0.00180	"	0.0363	ND	82.7	30-150				
gamma-Chlordane	0.0319	0.00180	"	0.0363	ND	88.0	30-150				
Heptachlor	0.0373	0.00180	"	0.0363	ND	103	30-150				
Heptachlor epoxide	0.0265	0.00180	"	0.0363	ND	73.1	30-150				
Methoxychlor	0.0283	0.00180	"	0.0363	ND	78.0	30-150				
Surrogate: Decachlorobiphenyl	0.0580		"	0.0725		79.9	30-150				
Surrogate: Tetrachloro-m-xylene	0.0171		"	0.0725		23.6	30-150				

Matrix Spike Dup (BC10491-1)	Matrix Spike Dup	*Source sample: 21C0267-05 (SB06 0-0.5)						Prepared: 03/09/2021 Analyzed: 03/15/2021			
4,4'-DDD	0.0378	0.00180	mg/kg dry	0.0363	ND	104	30-150	9.91	30		
4,4'-DDE	0.0278	0.00180	"	0.0363	ND	76.6	30-150	8.60	30		
4,4'-DDT	0.0294	0.00180	"	0.0363	ND	81.1	30-150	16.1	30		
Aldrin	0.0368	0.00180	"	0.0363	ND	102	30-150	0.863	30		
alpha-BHC	0.0380	0.00180	"	0.0363	ND	105	30-150	9.96	30		
alpha-Chlordane	0.0294	0.00180	"	0.0363	ND	81.0	30-150	4.17	30		
beta-BHC	0.0330	0.00180	"	0.0363	ND	91.1	30-150	0.885	30		
delta-BHC	0.0294	0.00180	"	0.0363	ND	81.0	30-150	7.12	30		
Dieldrin	0.0344	0.00180	"	0.0363	ND	94.9	30-150	9.49	30		
Endosulfan I	0.0330	0.00180	"	0.0363	ND	91.0	30-150	7.57	30		
Endosulfan II	0.0344	0.00180	"	0.0363	ND	94.7	30-150	9.76	30		
Endosulfan sulfate	0.0349	0.00180	"	0.0363	ND	96.3	30-150	10.2	30		
Endrin	0.0319	0.00180	"	0.0363	ND	87.8	30-150	10.0	30		
Endrin aldehyde	0.0279	0.00180	"	0.0363	ND	77.0	30-150	17.3	30		
Endrin ketone	0.0333	0.00180	"	0.0363	ND	91.8	30-150	7.77	30		
gamma-BHC (Lindane)	0.0324	0.00180	"	0.0363	ND	89.3	30-150	7.66	30		
gamma-Chlordane	0.0363	0.00180	"	0.0363	ND	100	30-150	13.0	30		
Heptachlor	0.0388	0.00180	"	0.0363	ND	107	30-150	4.09	30		
Heptachlor epoxide	0.0294	0.00180	"	0.0363	ND	81.0	30-150	10.2	30		
Methoxychlor	0.0346	0.00180	"	0.0363	ND	95.4	30-150	20.1	30		
Surrogate: Decachlorobiphenyl	0.0598		"	0.0725		82.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.0392		"	0.0725		54.0	30-150				



Organochlorine Pesticides by GC/ECD - 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 Y0L0501 - BL00027

Performance Mix (Y0L0501-P Performance Mix

Prepared & Analyzed: 12/05/2020

4,4'-DDD	4.16		ng/mL	0.00			0-200			
4,4'-DDE	1.04		"	0.00			0-200			
4,4'-DDT	182		"	200		91.2	0-200			
Endrin	97.9		"	100		97.9	0-200			
Endrin aldehyde	1.33		"	0.00			0-200			
Endrin ketone	2.35		"	0.00			0-200			

Batch Y1C1109 - BB11219

Performance Mix (Y1C1109-P Performance Mix

Prepared & Analyzed: 03/10/2021

4,4'-DDD	17.7		ng/mL	0.00			0-200			
4,4'-DDE	3.66		"	0.00			0-200			
4,4'-DDT	184		"	200		91.8	0-200			
Endrin	117		"	100		117	0-200			
Endrin aldehyde	1.70		"	0.00			0-200			
Endrin ketone	7.14		"	0.00			0-200			

Batch Y1C1619 - BC10491

Performance Mix (Y1C1619-F Performance Mix

Prepared & Analyzed: 03/15/2021

4,4'-DDD	4.49		ng/mL	0.00			0-200			
4,4'-DDE	1.29		"	0.00			0-200			
4,4'-DDT	159		"	200		79.4	0-200			
Endrin	129		"	100		129	0-200			
Endrin aldehyde	2.18		"	0.00			0-200			
Endrin ketone	20.4		"	0.00			0-200			



Organochlorine Pesticides by GC/ECD - 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 Y1C1619 - BC10491

Performance Mix (Y1C1619-F Performance Mix

Prepared & Analyzed: 03/15/2021

4,4'-DDD	3.58		ng/mL	0.00			0-200				
4,4'-DDE	1.46		"	0.00			0-200				
4,4'-DDT	181		"	200		90.6	0-200				
Endrin	135		"	100		135	0-200				
Endrin aldehyde	2.93		"	0.00			0-200				
Endrin ketone	22.5		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BC10491 - EPA 3550C											
Blank (BC10491-BLK2)	Blank							Prepared & Analyzed: 03/09/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0508		"	0.0664		76.5	30-120				
Surrogate: Decachlorobiphenyl	0.0409		"	0.0664		61.5	30-120				
LCS (BC10491-BS2)	LCS							Prepared & Analyzed: 03/09/2021			
Aroclor 1016	0.214	0.0166	mg/kg wet	0.332		64.6	40-130				
Aroclor 1260	0.240	0.0166	"	0.332		72.3	40-130				
Surrogate: Tetrachloro-m-xylene	0.0462		"	0.0664		69.5	30-120				
Surrogate: Decachlorobiphenyl	0.0389		"	0.0664		58.5	30-120				
Matrix Spike (BC10491-MS2)	Matrix Spike	*Source sample: 21C0267-05 (SB06_0-0.5)						Prepared: 03/09/2021 Analyzed: 03/10/2021			
Aroclor 1016	0.107	0.0181	mg/kg dry	0.363	ND	29.6	40-140	Low Bias			
Aroclor 1260	0.174	0.0181	"	0.363	ND	48.1	40-140				
Surrogate: Tetrachloro-m-xylene	0.0464		"	0.0725		64.0	30-120				
Surrogate: Decachlorobiphenyl	0.0326		"	0.0725		45.0	30-120				
Matrix Spike Dup (BC10491-1)	Matrix Spike Dup	*Source sample: 21C0267-05 (SB06_0-0.5)						Prepared: 03/09/2021 Analyzed: 03/10/2021			
Aroclor 1016	0.207	0.0181	mg/kg dry	0.363	ND	57.2	40-140		63.5	50	Non-dir.
Aroclor 1260	0.237	0.0181	"	0.363	ND	65.2	40-140		30.2	50	
Surrogate: Tetrachloro-m-xylene	0.0533		"	0.0725		73.5	30-120				
Surrogate: Decachlorobiphenyl	0.0359		"	0.0725		49.5	30-120				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

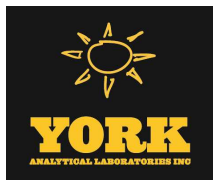
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1C1018 - BC10399

Aroclor Reference (Y1C1018) Aroclor Reference

Prepared & Analyzed: 03/09/2021

Surrogate: Tetrachloro-m-xylene	0.210		ug/mL	0.200		105					
Surrogate: Decachlorobiphenyl	0.189		"	0.200		94.5					



Chlorinated Herbicides by GC/ECD - 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 BC10488 - EPA 3550C/8151A											
Blank (BC10488-BLK1)	Blank							Prepared & Analyzed: 03/09/2021			
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.392		"	0.415		94.4	21-150				
LCS (BC10488-BS1)	LCS							Prepared & Analyzed: 03/09/2021			
2,4,5-T	0.0781	0.0199	mg/kg wet	0.133		58.7	10-120				
2,4,5-TP (Silvex)	0.0922	0.0199	"	0.133		69.4	10-120				
2,4-D	0.0847	0.0199	"	0.133		63.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.396		"	0.415		95.4	21-150				
Matrix Spike (BC10488-MS1)	Matrix Spike	*Source sample: 21C0255-01 (Matrix Spike)							Prepared & Analyzed: 03/09/2021		
2,4,5-T	0.110	0.0243	mg/kg dry	0.162	ND	68.1	10-120				
2,4,5-TP (Silvex)	0.121	0.0243	"	0.162	ND	75.0	10-120				
2,4-D	0.123	0.0243	"	0.162	ND	76.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.475		"	0.505		94.0	21-150				
Matrix Spike Dup (BC10488-MS1)	Matrix Spike Dup	*Source sample: 21C0255-01 (Matrix Spike Dup)							Prepared & Analyzed: 03/09/2021		
2,4,5-T	0.109	0.0243	mg/kg dry	0.162	ND	67.5	10-120		0.922	35	
2,4,5-TP (Silvex)	0.118	0.0243	"	0.162	ND	73.1	10-120		2.53	35	
2,4-D	0.114	0.0243	"	0.162	ND	70.6	10-118		7.66	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.459		"	0.505		90.8	21-150				



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

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

Batch BC10478 - EPA 3050B

Blank (BC10478-BLK1)	Blank										Prepared: 03/08/2021 Analyzed: 03/10/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	6.05	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BC10478-DUP1)	Duplicate	*Source sample: 21C0203-12 (Duplicate)				Prepared: 03/08/2021 Analyzed: 03/10/2021		
Aluminum		4750	5.61	mg/kg dry	4400	7.71	35	Non-dir.
Antimony		ND	2.80	"	ND		35	
Arsenic		9.46	1.68	"	7.03	29.5	35	
Barium		52.4	2.80	"	80.7	42.5	35	
Beryllium		ND	0.056	"	ND		35	
Cadmium		ND	0.337	"	ND		35	
Calcium		49000	5.61	"	40200	19.6	35	
Chromium		8.16	0.561	"	6.35	24.9	35	
Cobalt		3.77	0.449	"	3.00	22.8	35	
Copper		16.9	2.24	"	14.9	12.8	35	
Iron		8370	28.0	"	6840	20.2	35	
Lead		450	0.561	"	501	10.7	35	
Magnesium		9530	5.61	"	9930	4.11	35	
Manganese		247	0.561	"	209	16.9	35	
Nickel		4.43	1.12	"	3.30	29.3	35	
Potassium		743	5.61	"	766	3.11	35	
Selenium		4.76	2.80	"	5.90	21.4	35	
Silver		ND	0.561	"	ND		35	
Sodium		380	56.1	"	388	2.20	35	
Thallium		ND	2.80	"	ND		35	
Vanadium		23.3	1.12	"	20.7	11.6	35	
Zinc		74.4	2.80	"	77.3	3.81	35	



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

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

Batch BC10478 - EPA 3050B

Matrix Spike (BC10478-MS1)	Matrix Spike	*Source sample: 21C0203-12 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/10/2021			
Aluminum	4790	5.61	mg/kg dry	224	4400	174	75-125	High Bias			
Antimony	8.89	2.80	"	28.0	ND	31.7	75-125	Low Bias			
Arsenic	216	1.68	"	224	7.03	93.2	75-125				
Barium	302	2.80	"	224	80.7	98.6	75-125				
Beryllium	4.79	0.056	"	5.61	ND	85.4	75-125				
Cadmium	5.38	0.337	"	5.61	ND	96.0	75-125				
Calcium	43900	5.61	"	112	40200	NR	75-125	High Bias			
Chromium	27.7	0.561	"	22.4	6.35	94.9	75-125				
Cobalt	54.9	0.449	"	56.1	3.00	92.5	75-125				
Copper	42.2	2.24	"	28.0	14.9	97.4	75-125				
Iron	6730	28.0	"	112	6840	NR	75-125	Low Bias			
Lead	367	0.561	"	56.1	501	NR	75-125	Low Bias			
Magnesium	7710	5.61	"	112	9930	NR	75-125	Low Bias			
Manganese	333	0.561	"	56.1	209	221	75-125	High Bias			
Nickel	58.8	1.12	"	56.1	3.30	98.9	75-125				
Potassium	932	5.61	"	112	766	148	75-125	High Bias			
Selenium	196	2.80	"	224	5.90	84.8	75-125				
Silver	4.45	0.561	"	5.61	ND	79.3	75-125				
Sodium	429	56.1	"	112	388	36.8	75-125	Low Bias			
Thallium	208	2.80	"	224	ND	92.9	75-125				
Vanadium	71.8	1.12	"	56.1	20.7	91.0	75-125				
Zinc	127	2.80	"	56.1	77.3	88.5	75-125				

Post Spike (BC10478-PS1)	Post Spike	*Source sample: 21C0203-12 (Post Spike)						Prepared: 03/08/2021 Analyzed: 03/10/2021			
Aluminum	41.1		ug/mL	2.00	39.2	93.2	75-125				
Antimony	0.276		"	0.250	-0.011	110	75-125				
Arsenic	2.20		"	2.00	0.063	107	75-125				
Barium	2.83		"	2.00	0.719	106	75-125				
Beryllium	0.046		"	0.0500	-0.006	92.6	75-125				
Cadmium	0.054		"	0.0500	0.002	105	75-125				
Calcium	356		"	1.00	358	NR	75-125	Low Bias			
Chromium	0.260		"	0.200	0.057	102	75-125				
Cobalt	0.545		"	0.500	0.027	104	75-125				
Copper	0.396		"	0.250	0.133	105	75-125				
Iron	61.3		"	1.00	60.9	36.1	75-125	Low Bias			
Lead	5.05		"	0.500	4.47	117	75-125				
Magnesium	88.3		"	1.00	88.5	NR	75-125	Low Bias			
Manganese	2.43		"	0.500	1.86	113	75-125				
Nickel	0.582		"	0.500	0.029	110	75-125				
Potassium	7.90		"	1.00	6.83	107	75-125				
Selenium	2.04		"	2.00	0.053	99.1	75-125				
Silver	0.015		"	0.0500	-0.014	29.6	75-125	Low Bias			
Sodium	3.96		"	1.00	3.46	49.9	75-125	Low Bias			
Thallium	2.13		"	2.00	-0.034	106	75-125				
Vanadium	0.712		"	0.500	0.185	105	75-125				
Zinc	1.19		"	0.500	0.689	100	75-125				



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

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

Batch BC10478 - EPA 3050B

Reference (BC10478-SRM1)	Reference	Prepared: 03/08/2021 Analyzed: 03/10/2021									
Aluminum	8570	5.00	mg/kg wet	8190		105	50.5-150.1				
Antimony	69.9	2.50	"	110		63.5	19-251.7				
Arsenic	156	1.50	"	162		96.5	70.1-129.8				
Barium	134	2.50	"	138		97.3	75-125				
Beryllium	152	0.050	"	157		96.6	75-125.2				
Cadmium	130	0.300	"	135		96.6	74.8-125.2				
Calcium	4580	5.00	"	4790		95.5	72.7-127.5				
Chromium	110	0.500	"	117		94.0	70.1-129.9				
Cobalt	93.9	0.400	"	92.6		101	75-125				
Copper	136	2.00	"	143		94.8	75.3-125.3				
Iron	14300	25.0	"	15100		95.0	35.8-164.6				
Lead	70.9	0.500	"	77.6		91.3	70-130				
Magnesium	2300	5.00	"	2320		99.3	61.7-137.8				
Manganese	325	0.500	"	319		102	78.1-122				
Nickel	88.9	1.00	"	79.9		111	70.1-130.1				
Potassium	2140	5.00	"	2050		104	59.1-140.9				
Selenium	141	2.50	"	172		82.1	55.7-144.5				
Silver	21.9	0.500	"	24.7		88.8	69.2-130.8				
Sodium	98.7	50.0	"	137		72.0	36.1-163.3				
Thallium	85.2	2.50	"	88.0		96.8	65.3-146.8				
Vanadium	92.9	1.00	"	99.9		93.0	67-133.1				
Zinc	298	2.50	"	312		95.5	69.9-130.1				

Batch BC11055 - EPA 3050B

Blank (BC11055-BLK1)	Blank	Prepared: 03/17/2021 Analyzed: 03/19/2021									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	9.01	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								



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

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

Batch BC11055 - EPA 3050B

Duplicate (BC11055-DUP1)	Duplicate	*Source sample: 21C0623-34 (Duplicate)				Prepared: 03/17/2021 Analyzed: 03/19/2021					
Aluminum	10800	5.83	mg/kg dry	10500					2.65	35	
Antimony	ND	2.92	"	ND						35	
Arsenic	4.27	1.75	"	4.48					4.60	35	
Barium	107	2.92	"	123					14.0	35	
Beryllium	ND	0.058	"	ND						35	
Cadmium	0.952	0.350	"	1.09					13.6	35	
Calcium	13700	5.83	"	23000					50.9	35	Non-dir.
Chromium	27.6	0.583	"	32.4					15.8	35	
Cobalt	10.0	0.467	"	10.7					6.80	35	
Copper	34.8	2.33	"	36.2					3.94	35	
Iron	23200	29.2	"	22500					3.12	35	
Lead	82.2	0.583	"	78.4					4.73	35	
Magnesium	6020	5.83	"	6160					2.23	35	
Manganese	357	0.583	"	568					45.5	35	Non-dir.
Nickel	25.1	1.17	"	29.6					16.4	35	
Potassium	2600	5.83	"	2990					13.9	35	
Selenium	ND	2.92	"	ND						35	
Silver	ND	0.583	"	ND						35	
Sodium	407	58.3	"	434					6.37	35	
Thallium	ND	2.92	"	ND						35	
Vanadium	27.3	1.17	"	27.0					1.07	35	
Zinc	124	2.92	"	139					11.4	35	

Matrix Spike (BC11055-MS1)	Matrix Spike	*Source sample: 21C0623-34 (Matrix Spike)				Prepared: 03/17/2021 Analyzed: 03/19/2021					
Aluminum	8870	5.83	mg/kg dry	233	10500	NR	75-125	Low Bias			
Antimony	9.70	2.92	"	29.2	ND	33.3	75-125	Low Bias			
Arsenic	212	1.75	"	233	4.48	88.7	75-125				
Barium	340	2.92	"	233	123	92.8	75-125				
Beryllium	4.79	0.058	"	5.83	ND	82.0	75-125				
Cadmium	6.35	0.350	"	5.83	1.09	90.1	75-125				
Calcium	16700	5.83	"	117	23000	NR	75-125	Low Bias			
Chromium	46.9	0.583	"	23.3	32.4	62.2	75-125	Low Bias			
Cobalt	58.4	0.467	"	58.3	10.7	81.7	75-125				
Copper	67.1	2.33	"	29.2	36.2	106	75-125				
Iron	16800	29.2	"	117	22500	NR	75-125	Low Bias			
Lead	146	0.583	"	58.3	78.4	115	75-125				
Magnesium	4670	5.83	"	117	6160	NR	75-125	Low Bias			
Manganese	364	0.583	"	58.3	568	NR	75-125	Low Bias			
Nickel	71.2	1.17	"	58.3	29.6	71.3	75-125	Low Bias			
Potassium	2130	5.83	"	117	2990	NR	75-125	Low Bias			
Selenium	183	2.92	"	233	ND	78.3	75-125				
Silver	4.51	0.583	"	5.83	ND	77.4	75-125				
Sodium	430	58.3	"	117	434	NR	75-125	Low Bias			
Thallium	207	2.92	"	233	ND	88.6	75-125				
Vanadium	73.3	1.17	"	58.3	27.0	79.3	75-125				
Zinc	172	2.92	"	58.3	139	56.2	75-125	Low Bias			



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

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

Batch BC11055 - EPA 3050B

Post Spike (BC11055-PS1)	Post Spike	*Source sample: 21C0623-34 (Post Spike)					Prepared: 03/17/2021 Analyzed: 03/19/2021				
Aluminum	92.7		ug/mL	2.00	90.3	118	75-125				
Antimony	0.316		"	0.250	-0.003	126	75-125	High Bias			
Arsenic	2.17		"	2.00	0.038	106	75-125				
Barium	3.13		"	2.00	1.06	104	75-125				
Beryllium	0.051		"	0.0500	-0.0007	101	75-125				
Cadmium	0.061		"	0.0500	0.009	103	75-125				
Calcium	197		"	1.00	197	41.8	75-125	Low Bias			
Chromium	0.477		"	0.200	0.278	99.4	75-125				
Cobalt	0.617		"	0.500	0.092	105	75-125				
Copper	0.562		"	0.250	0.310	101	75-125				
Iron	196		"	1.00	193	270	75-125	High Bias			
Lead	1.22		"	0.500	0.672	110	75-125				
Magnesium	54.6		"	1.00	52.8	179	75-125	High Bias			
Manganese	5.43		"	0.500	4.87	113	75-125				
Nickel	0.820		"	0.500	0.254	113	75-125				
Potassium	26.8		"	1.00	25.6	116	75-125				
Selenium	1.86		"	2.00	-0.120	93.1	75-125				
Silver	0.039		"	0.0500	-0.009	78.2	75-125				
Sodium	4.83		"	1.00	3.72	111	75-125				
Thallium	2.07		"	2.00	-0.036	104	75-125				
Vanadium	0.743		"	0.500	0.232	102	75-125				
Zinc	1.72		"	0.500	1.19	105	75-125				

Reference (BC11055-SRM1)	Reference										
Aluminum	9340	5.00	mg/kg wet	8190		114	50.5-150.1				
Antimony	82.7	2.50	"	110		75.1	19-251.7				
Arsenic	166	1.50	"	162		102	70.1-129.8				
Barium	143	2.50	"	138		103	75-125				
Beryllium	152	0.050	"	157		97.0	75-125.2				
Cadmium	132	0.300	"	135		98.1	74.8-125.2				
Calcium	4650	5.00	"	4790		97.2	72.7-127.5				
Chromium	111	0.500	"	117		95.3	70.1-129.9				
Cobalt	95.2	0.400	"	92.6		103	75-125				
Copper	137	2.00	"	143		96.1	75.3-125.3				
Iron	15100	25.0	"	15100		100	35.8-164.6				
Lead	75.4	0.500	"	77.6		97.2	70-130				
Magnesium	2410	5.00	"	2320		104	61.7-137.8				
Manganese	310	0.500	"	319		97.1	78.1-122				
Nickel	88.7	1.00	"	79.9		111	70.1-130.1				
Potassium	2340	5.00	"	2050		114	59.1-140.9				
Selenium	152	2.50	"	172		88.3	55.7-144.5				
Silver	22.9	0.500	"	24.7		92.9	69.2-130.8				
Sodium	122	50.0	"	137		88.8	36.1-163.3				
Thallium	87.8	2.50	"	88.0		99.7	65.3-146.8				
Vanadium	96.1	1.00	"	99.9		96.2	67-133.1				
Zinc	303	2.50	"	312		97.0	69.9-130.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

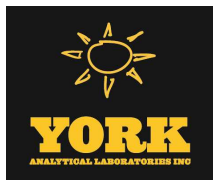
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10702 - EPA 7473 soil											
Blank (BC10702-BLK1)	Blank								Prepared & Analyzed: 03/11/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC10702-DUP1)	Duplicate	*Source sample: 21C0203-12 (Duplicate)							Prepared & Analyzed: 03/11/2021		
Mercury	0.452	0.0337	mg/kg dry		0.296				41.8	35	Non-dir.
Matrix Spike (BC10702-MS1)	Matrix Spike	*Source sample: 21C0203-12 (Matrix Spike)							Prepared & Analyzed: 03/11/2021		
Mercury	0.864		mg/kg	0.500	0.264	120	75-125				
Reference (BC10702-SRM1)	Reference								Prepared & Analyzed: 03/11/2021		
Mercury	30.419		mg/kg	27.2		112	59.9-140.1				
Batch BC11120 - EPA 7473 soil											
Blank (BC11120-BLK1)	Blank								Prepared: 03/18/2021 Analyzed: 03/19/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC11120-DUP1)	Duplicate	*Source sample: 21C0739-03 (Duplicate)							Prepared: 03/18/2021 Analyzed: 03/19/2021		
Mercury	0.0871	0.0327	mg/kg dry		0.103				16.8	35	
Matrix Spike (BC11120-MS1)	Matrix Spike	*Source sample: 21C0739-03 (Matrix Spike)							Prepared: 03/18/2021 Analyzed: 03/19/2021		
Mercury	0.509		mg/kg	0.500	0.0946	82.8	75-125				
Reference (BC11120-SRM1)	Reference								Prepared: 03/18/2021 Analyzed: 03/19/2021		
Mercury	28.890		mg/kg	27.2		106	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BC10414 - EPA SW846-3060											
Blank (BC10414-BLK1)	Blank								Prepared: 03/08/2021 Analyzed: 03/09/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BC10414-DUP1)	Duplicate	*Source sample: 21C0255-01 (Duplicate)						Prepared: 03/08/2021 Analyzed: 03/09/2021			
Chromium, Hexavalent	ND	0.608	mg/kg dry		ND					35	
Matrix Spike (BC10414-MS1)	Matrix Spike	*Source sample: 21C0255-01 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/09/2021			
Chromium, Hexavalent	ND	0.608	mg/kg dry	24.3	ND		75-125	Low Bias			
Matrix Spike (BC10414-MS2)	Matrix Spike	*Source sample: 21C0255-01 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/09/2021			
Chromium, Hexavalent	ND	0.608	mg/kg dry	24.3	ND		75-125	Low Bias			
Reference (BC10414-SRM1)	Reference							Prepared: 03/08/2021 Analyzed: 03/09/2021			
Chromium, Hexavalent	79.9		mg/L	109		73.3	30-169.7				
Batch BC10418 - Analysis Preparation Soil											
Blank (BC10418-BLK1)	Blank								Prepared & Analyzed: 03/08/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BC10418-DUP1)	Duplicate	*Source sample: 21C0255-01 (Duplicate)						Prepared & Analyzed: 03/08/2021			
Cyanide, total	ND	0.608	mg/kg dry		ND					15	
Matrix Spike (BC10418-MS1)	Matrix Spike	*Source sample: 21C0255-01 (Matrix Spike)						Prepared & Analyzed: 03/08/2021			
Cyanide, total	7.22	0.608	mg/kg dry	12.2	ND	59.3	79.6-107	Low Bias			
Reference (BC10418-SRM1)	Reference							Prepared & Analyzed: 03/08/2021			
Cyanide, total	97.6		ug/mL	91.9		106	42.22-159.96				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BC10500 - EPA SW846-3060

Blank (BC10500-BLK1)	Blank								Prepared & Analyzed: 03/09/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BC10500-DUP1)	Duplicate	*Source sample: 21C0287-22 (Duplicate)							Prepared & Analyzed: 03/09/2021		
Chromium, Hexavalent	ND	0.514	mg/kg dry		ND					35	
Matrix Spike (BC10500-MS1)	Matrix Spike	*Source sample: 21C0287-22 (Matrix Spike)							Prepared & Analyzed: 03/09/2021		
Chromium, Hexavalent	14.3	0.514	mg/kg dry	20.6	ND	69.8	75-125	Low Bias			
Matrix Spike (BC10500-MS2)	Matrix Spike	*Source sample: 21C0287-22 (Matrix Spike)							Prepared & Analyzed: 03/09/2021		
Chromium, Hexavalent	15.4	0.514	mg/kg dry	20.6	ND	74.8	75-125	Low Bias			
Reference (BC10500-SRM1)	Reference								Prepared & Analyzed: 03/09/2021		
Chromium, Hexavalent	101		mg/L	109		92.2	30-169.7				

Batch BC10501 - Analysis Preparation Soil

Blank (BC10501-BLK1)	Blank								Prepared & Analyzed: 03/09/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BC10501-DUP1)	Duplicate	*Source sample: 21C0373-01 (Duplicate)							Prepared & Analyzed: 03/09/2021		
Cyanide, total	ND	0.600	mg/kg dry		ND					15	
Matrix Spike (BC10501-MS1)	Matrix Spike	*Source sample: 21C0373-01 (Matrix Spike)							Prepared & Analyzed: 03/09/2021		
Cyanide, total	10.3	0.600	mg/kg dry	12.0	ND	85.6	79.6-107				
Reference (BC10501-SRM1)	Reference								Prepared & Analyzed: 03/09/2021		
Cyanide, total	82.1		ug/mL	91.9		89.3	42.22-159.96				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10503 - % Solids Prep

Duplicate (BC10503-DUP1)	Duplicate	*Source sample: 21C0287-09 (Duplicate)					Prepared & Analyzed: 03/09/2021		
% Solids		94.6	0.100	%	94.4			0.217	20

Batch BC10913 - % Solids Prep

Duplicate (BC10913-DUP1)	Duplicate	*Source sample: 21C0672-11 (Duplicate)					Prepared & Analyzed: 03/16/2021		
% Solids		90.1	0.100	%		91.4		1.37	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0267-02	SB07_0-2	40mL Vial with Stir Bar-Cool 4° C
21C0267-03	SB07_6-8	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0267-04	SB07_13-15	40mL Vial with Stir Bar-Cool 4° C
21C0267-05	SB06_0-0.5	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0267-06	SB06_0.5-2	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0267-07	SB06_6-8	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0267-08	SB06_22-24	40mL Vial with Stir Bar-Cool 4° C
21C0267-09	SODUP01_030421	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
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).
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogeneity of the sample versus the native sample
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
VOA-E	The concentration reported for this analyte is an estimated value above the linear range of the instrument for EPA SW846-5035/8260 (>200ppb). Re-analysis using 5035/8260 medium level prep. resulted in a detection below the reporting limit (<500ppb).
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
S-08	The recovery of this surrogate was outside of QC limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
PFAS-MSL	The recovery for this matrix spike compound was below control limits possibly due to matrix effects or non-homogeneity of the sample versus the native sample

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.

Revision Description: additional analysis on -04 and -08



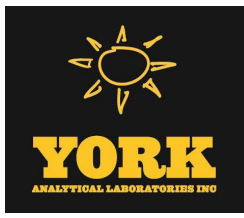
York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
clientservices@yorklab.com
www.yorklab.com



Field Chain-of-Custody Record

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

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	LANGAN, DPC	Company:	Same	Company:	Same	170430001		RUSH - Next Day	
Address:	360 W. 31st St., 8th Fl. NY, NY 10001	Address:		Address:		YOUR Project Name		RUSH - Two Day	
Phone:	212-479-5400	Phone:		Phone:		240 Huntington Street		RUSH - Three Day	
Contact:	ELIZABETH BURGESS	Contact:		Contact:				RUSH - Four Day	
E-mail:	EBURGESS@LANGAN.COM	E-mail:		E-mail:		YOUR PO#:		Standard (5-7 Day) ☒	
Samples Collected by: (print your name above and sign below) Ashley Stappenbeck Ashley Stappenbeck		Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
		S - soil / solid		New York		Summary Report		Compared to the following Regulation(s): (please fill in)	
		GW - groundwater		New Jersey		QA Report			
		DW - drinking water		Connecticut		NY ASP A Package			
		WW - wastewater		Pennsylvania		NY ASP B Package			
		O - Oil ; Other		Other					
Sample Identification		Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description	
EC_FB03-030421		3/4/2021 1030		DW		PFAS			
SB07-0-2		840		SOIL		Part 375 TCL VOCs, SVOCs, PCBs,			
SB07-6-8		845				pesticides, herbicides, TAL Metals,			
SB07-13-15		850				hex/trichloro, total cyanide,		HOLD	
SB06-0-0.5		1230				1,4-dioxane, and PFAS			
SB06-0.5-2		1240							
SB06-6-8		1220							
SB06-22-24		1300						HOLD	
SD0601-030421									
Comments: Please include phone number and email address on all emails. Please HOLD SB07-13-15 and SB06-22-24.		Samples Relinquished by / Company		Date/Time		Preservation: (check all that apply)		Special Instruction	
Ashley Stappenbeck		3/4/2021 1535		3/4/2021 1535		HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___		Field Filtered Lab to Filter ___	
Samples Relinquished by / Company		Date/Time		Date/Time		Ascorbic Acid ___ Other: ___		Date/Time	
Ashley Stappenbeck		3/4/2021 1535		3/4/2021 1535		Fol/bw		3/4/2021 2009	
Samples Relinquished by / Company		Date/Time		Date/Time		Samples Relinquished by / Company		Date/Time	
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Samples Relinquished by									



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/22/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0344

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/22/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0344

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 05, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0344-01	SOFB02_030521	Water	03/05/2021	03/05/2021
21C0344-02	SB03_0-0.5	Soil	03/05/2021	03/05/2021
21C0344-03	SB03_0.5-2	Soil	03/05/2021	03/05/2021
21C0344-04	SB03_6-8	Soil	03/05/2021	03/05/2021
21C0344-05	SB03_21-23	Soil	03/05/2021	03/05/2021
21C0344-06	SB11_0-2	Soil	03/05/2021	03/05/2021
21C0344-07	SB11_8-10	Soil	03/05/2021	03/05/2021
21C0344-08	SB11_17-19	Soil	03/05/2021	03/05/2021
21C0344-09	ECFB04_030521	Water	03/05/2021	03/05/2021
21C0344-10	Trip Blank	Water	03/05/2021	03/05/2021

General Notes for York Project (SDG) No.: 21C0344

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: 03/22/2021





Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 5, 2021 3:01 pm

Date Received

03/05/2021

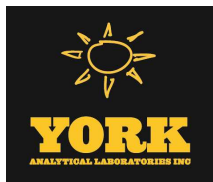
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
78-93-3	2-Butanone	0.620	B	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Water

March 5, 2021 3:01 pm

03/05/2021

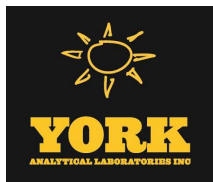
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 5, 2021 3:01 pm

Date Received

03/05/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-09-2	Methylene chloride	2.67		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Water

March 5, 2021 3:01 pm

03/05/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 15:12	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 15:12	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.2 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	96.6 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	96.6 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0344

170430001

Water

March 5, 2021 3:01 pm

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
100-02-7	4-Nitrophenol	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
62-53-3	Aniline	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
92-87-5	Benzidine	ND		ug/L	6.06	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
65-85-0	Benzoic acid	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
100-51-6	Benzyl alcohol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.21	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 5, 2021 3:01 pm

Date Received
03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
122-39-4	Diphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	6.06	12.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
110-86-1	Pyridine	ND		ug/L	3.03	6.06	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 15:33	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	57.1 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	36.6 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	78.9 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	79.6 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	104 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	107 %	30.7-106								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Water

March 5, 2021 3:01 pm

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
120-12-7	Anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
1912-24-9	Atrazine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2021 13:19	03/11/2021 13:09	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2021 13:19	03/11/2021 13:09	CD
218-01-9	Chrysene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
206-44-0	Fluoranthene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
86-73-7	Fluorene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2021 13:19	03/11/2021 13:09	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2021 13:19	03/11/2021 13:09	CD
67-72-1	Hexachloroethane	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2021 13:19	03/11/2021 13:09	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
91-20-3	Naphthalene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
98-95-3	Nitrobenzene	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2021 13:19	03/11/2021 13:09	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2021 13:19	03/11/2021 13:09	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.303	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/10/2021 13:19	03/11/2021 13:09	CD



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 5, 2021 3:01 pm

Date Received
03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD
129-00-0	Pyrene	0.0727		ug/L	0.0606	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 13:19	03/11/2021 13:09	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/11/2021 13:59	03/12/2021 11:08	KH
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %		36.6-118						

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 5, 2021 3:01 pm

Date Received
03/05/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/12/2021 07:45	CM
57-74-9	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B Certifications:	03/11/2021 07:17	03/12/2021 07:45	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	56.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	39.4 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 5, 2021 3:01 pm

Date Received
03/05/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
37324-23-5	Aroclor 1262	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:17	03/11/2021 14:47	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	03/11/2021 07:17	03/11/2021 14:47	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	50.0 %		30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:35	03/10/2021 18:08	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:35	03/10/2021 18:08	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:35	03/10/2021 18:08	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	110 %		30-150						

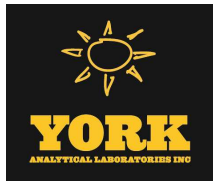
Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 5, 2021 3:01 pm

Date Received

03/05/2021

Metals, Target Analyte, ICP

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
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:01	03/12/2021 12:42	WJM

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:03	03/11/2021 13:19	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:03	03/11/2021 13:19	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:03	03/11/2021 13:19	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:03	03/11/2021 13:19	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:03	03/11/2021 13:19	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 10:03	03/11/2021 13:19	BML

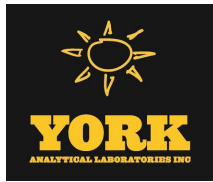
Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 17:44	03/12/2021 17:44	AA



Sample Information

Client Sample ID: SOFB02_030521

York Sample ID: 21C0344-01

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 5, 2021 3:01 pm

Date Received

03/05/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/08/2021 19:46	03/08/2021 20:18	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2021 16:38	03/12/2021 16:51	PAM

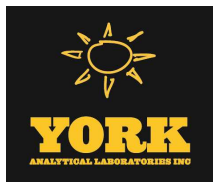
Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2021 08:16	03/12/2021 14:50	OT



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:15 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2021 17:42	03/12/2021 02:20	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2021 17:42	03/12/2021 02:20	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
78-93-3	2-Butanone	0.0058	J, B	mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:15 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
67-64-1	Acetone	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:15 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:15 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/11/2021 17:42	03/12/2021 02:20	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/11/2021 17:42	03/12/2021 02:20	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.9 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	103 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:15 am

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
62-53-3	Aniline	ND		mg/kg dry	0.199	0.398	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
92-87-5	Benzidine	ND		mg/kg dry	0.199	0.398	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:15 am

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
218-01-9	Chrysene	0.0556	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0993	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
206-44-0	Fluoranthene	0.101		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

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170430001

Soil

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03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
85-01-8	Phenanthrene	0.0595	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
108-95-2	Phenol	ND		mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
129-00-0	Pyrene	0.0762	J	mg/kg dry	0.0498	0.0993	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
110-86-1	Pyridine	ND		mg/kg dry	0.199	0.398	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:24	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	54.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	55.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.9 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	82.4 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	70.2 %	24-116								



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

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Soil

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Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.52	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 17:49	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	46.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.527	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 22:19	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		82.6 %	25-150							
Surrogate: M5PFHxA		87.9 %	25-150							
Surrogate: M4PFHpA		57.8 %	25-150							
Surrogate: M3PFHxS		69.6 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		82.2 %	25-150							
Surrogate: M6PFDA		73.2 %	25-150							
Surrogate: M7PFUdA		57.7 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		66.7 %	25-150							
Surrogate: M2PFTeDA		38.5 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		89.0 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		61.6 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		83.5 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		58.7 %	10-150							
Surrogate: d3-N-MeFOSAA		39.4 %	25-150							
Surrogate: d5-N-EtFOSAA		51.5 %	25-150							
Surrogate: M2-6:2 FTS		65.2 %	25-150							
Surrogate: M2-8:2 FTS		89.8 %	25-150							
Surrogate: M9PFNA		102 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 16:00	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 13:42	03/11/2021 16:00	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 16:00	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:00	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0386	5	EPA 8081B Certifications:	03/09/2021 13:42	03/11/2021 16:00	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	129 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.7 %	30-150							



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:46	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	03/09/2021 13:42	03/10/2021 15:46	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	79.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	63.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0239	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 19:29	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0239	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 19:29	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0239	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 19:29	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	54.6 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		132-02 89th AVENUE		RICHMOND HILL, NY 11418				
www.YORKLAB.com		(203) 325-1371		FAX (203) 357-0166		ClientServices@yorklab.com				



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 5, 2021 11:15 am

Date Received
03/05/2021

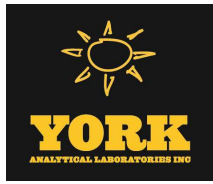
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10700		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-38-2	Arsenic	9.98		mg/kg dry	1.80	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-39-3	Barium	231		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-43-9	Cadmium	0.604		mg/kg dry	0.359	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-70-2	Calcium	96700	B	mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-47-3	Chromium	33.5		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-48-4	Cobalt	5.05		mg/kg dry	0.479	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-50-8	Copper	31.7		mg/kg dry	2.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7439-89-6	Iron	18100		mg/kg dry	30.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7439-92-1	Lead	43.3		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7439-95-4	Magnesium	12400		mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7439-96-5	Manganese	381	B	mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-02-0	Nickel	20.8		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-09-7	Potassium	998	B	mg/kg dry	5.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-22-4	Silver	ND		mg/kg dry	0.599	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-23-5	Sodium	404		mg/kg dry	59.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.00	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM
7440-62-2	Vanadium	45.1		mg/kg dry	1.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:03	WJM



Sample Information

Client Sample ID: SB03_0-0.5

York Sample ID: 21C0344-02

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 5, 2021 11:15 am

Date Received

03/05/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	239		mg/kg dry	3.00	1	EPA 6010D	03/09/2021 15:24	03/11/2021 21:03	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0401		mg/kg dry	0.0359	1	EPA 7473	03/12/2021 13:59	03/12/2021 16:16	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.599	1	EPA 7196A	03/09/2021 14:35	03/09/2021 21:02	MAO
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	33.5		mg/kg	0.500	1	Calculation	03/12/2021 13:01	03/12/2021 13:02	MAO
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.599	1	EPA 9014/9010C	03/09/2021 14:34	03/09/2021 21:03	MAO
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

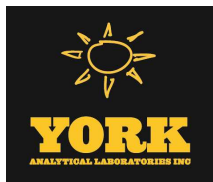
Total Solids

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
solids	* % Solids	83.5		%	0.100	1	SM 2540G	03/10/2021 08:42	03/10/2021 14:14	OT
Certifications: CTDOH										



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:00 am

03/05/2021

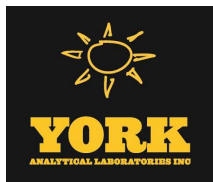
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 17:36	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 17:36	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
95-63-6	1,2,4-Trimethylbenzene	2.4		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
108-67-8	1,3,5-Trimethylbenzene	0.43	J	mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	6.2	12	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
78-93-3	2-Butanone	0.64	B, J	mg/kg dry	0.31	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:00 am

03/05/2021

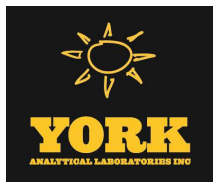
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
67-64-1	Acetone	ND		mg/kg dry	0.62	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
107-02-8	Acrolein	ND		mg/kg dry	0.62	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
71-43-2	Benzene	1.5		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-25-2	Bromoform	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
67-66-3	Chloroform	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
110-82-7	Cyclohexane	4.4		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:00 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	2.4		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
98-82-8	Isopropylbenzene	2.0		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
108-87-2	Methylcyclohexane	6.6		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.62	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
104-51-8	n-Butylbenzene	4.8		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
103-65-1	n-Propylbenzene	8.0		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
95-47-6	o-Xylene	1.1		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
179601-23-1	p- & m- Xylenes	7.7		mg/kg dry	0.62	1.2	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
135-98-8	sec-Butylbenzene	2.5		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
100-42-5	Styrene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
108-88-3	Toluene	6.1		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:00 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.31	0.62	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 17:36	MD
1330-20-7	Xylenes, Total	8.8		mg/kg dry	0.93	1.9	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 17:36	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	77.8 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	108 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.3 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
91-57-6	2-Methylnaphthalene	6.04		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:00 am

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
83-32-9	Acenaphthene	1.62		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
208-96-8	Acenaphthylene	0.467		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
62-53-3	Aniline	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
120-12-7	Anthracene	2.18		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
92-87-5	Benzidine	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
56-55-3	Benzo(a)anthracene	5.86		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:00 am

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	5.45		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD
205-99-2	Benzo(b)fluoranthene	4.25		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD
191-24-2	Benzo(g,h,i)perylene	2.47		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
207-08-9	Benzo(k)fluoranthene	4.20		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
86-74-8	Carbazole	0.498		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
218-01-9	Chrysene	5.80		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD
53-70-3	Dibenzo(a,h)anthracene	0.773		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
132-64-9	Dibenzofuran	1.05		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0916	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
206-44-0	Fluoranthene	12.8		mg/kg dry	0.459	0.916	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/12/2021 11:14	CD



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

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21C0344

170430001

Soil

March 5, 2021 11:00 am

03/05/2021

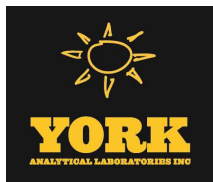
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	1.99		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
193-39-5	Indeno(1,2,3-cd)pyrene	2.00		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
91-20-3	Naphthalene	4.69		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
85-01-8	Phenanthrene	13.8		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD
108-95-2	Phenol	ND		mg/kg dry	0.0459	0.0916	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
129-00-0	Pyrene	12.7		mg/kg dry	0.229	0.458	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 11:54	CD
110-86-1	Pyridine	ND		mg/kg dry	0.183	0.367	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 17:56	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	38.1 %	S-08	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	38.9 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	125 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	52.7 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	61.6 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	66.1 %	24-116								



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

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170430001

Soil

March 5, 2021 11:00 am

03/05/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.43	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 18:59	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.536	1	EPA 537m Certifications:	03/08/2021 18:59	03/11/2021 23:48	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		86.5 %	25-150							
Surrogate: M5PFHxA		91.9 %	25-150							
Surrogate: M4PFHpA		65.8 %	25-150							
Surrogate: M3PFHxS		70.1 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		93.3 %	25-150							
Surrogate: M6PFDA		74.8 %	25-150							
Surrogate: M7PFUdA		62.1 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		62.8 %	25-150							
Surrogate: M2PFTeDA		44.2 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		93.3 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		58.4 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		88.5 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		57.1 %	10-150							
Surrogate: d3-N-MeFOSAA		50.5 %	25-150							
Surrogate: d5-N-EtFOSAA		48.0 %	25-150							
Surrogate: M2-6:2 FTS		73.4 %	25-150							
Surrogate: M2-8:2 FTS		97.8 %	25-150							
Surrogate: M9PFNA		103 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

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Collection Date/Time

Date Received

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 16:17	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 13:42	03/11/2021 16:17	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 16:17	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:17	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0359	5	EPA 8081B Certifications:	03/09/2021 13:42	03/11/2021 16:17	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	126 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	68.1 %	30-150							



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.
21C0344

Client Project ID
170430001

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March 5, 2021 11:00 am

Date Received
03/05/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 15:59	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	03/09/2021 13:42	03/10/2021 15:59	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	72.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 19:40	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 19:40	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 19:40	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	62.6 %	21-150							

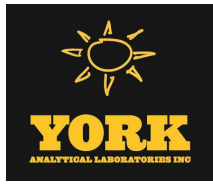
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:00 am

03/05/2021

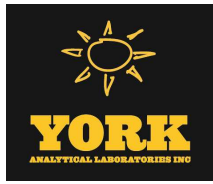
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9110		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-38-2	Arsenic	13.3		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-39-3	Barium	188		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-70-2	Calcium	16200	B	mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-47-3	Chromium	15.1		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-48-4	Cobalt	3.20		mg/kg dry	0.442	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-50-8	Copper	17.6		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7439-89-6	Iron	19900		mg/kg dry	27.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7439-92-1	Lead	400		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7439-95-4	Magnesium	3690		mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7439-96-5	Manganese	94.0	B	mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-02-0	Nickel	9.49		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-09-7	Potassium	1290	B	mg/kg dry	5.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-23-5	Sodium	105		mg/kg dry	55.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM
7440-62-2	Vanadium	25.3		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:19	WJM



Sample Information

Client Sample ID: SB03_0.5-2

York Sample ID: 21C0344-03

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 5, 2021 11:00 am

Date Received

03/05/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	165		mg/kg dry	2.76	1	EPA 6010D	03/09/2021 15:24	03/11/2021 21:19	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.432		mg/kg dry	0.0332	1	EPA 7473	03/12/2021 13:59	03/12/2021 16:41	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.553	1	EPA 7196A	03/09/2021 14:35	03/09/2021 21:02	MAO
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.1		mg/kg	0.500	1	Calculation	03/12/2021 13:01	03/12/2021 13:02	MAO
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.553		mg/kg dry	0.553	1	EPA 9014/9010C	03/09/2021 14:34	03/09/2021 21:03	MAO
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Total 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
solids	* % Solids	90.5		%	0.100	1	SM 2540G	03/10/2021 08:42	03/10/2021 14:14	OT
Certifications: CTDOH										



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:05 am

03/05/2021

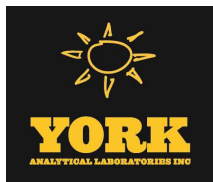
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:03	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:03	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
95-63-6	1,2,4-Trimethylbenzene	0.80	J	mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	9.3	19	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
78-93-3	2-Butanone	1.2	B, J	mg/kg dry	0.46	1.9	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:05 am

03/05/2021

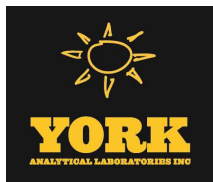
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
67-64-1	Acetone	ND		mg/kg dry	0.93	1.9	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
107-02-8	Acrolein	ND		mg/kg dry	0.93	1.9	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
71-43-2	Benzene	0.72	J	mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-25-2	Bromoform	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
67-66-3	Chloroform	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
110-82-7	Cyclohexane	7.3		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:05 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
98-82-8	Isopropylbenzene	7.2		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
108-87-2	Methylcyclohexane	30		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.93	1.9	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
104-51-8	n-Butylbenzene	3.1		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
103-65-1	n-Propylbenzene	6.6		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
179601-23-1	p- & m- Xylenes	1.2	J	mg/kg dry	0.93	1.9	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
135-98-8	sec-Butylbenzene	3.5		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
100-42-5	Styrene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
108-88-3	Toluene	0.60	J	mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:05 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.46	0.93	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:03	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	1.4	2.8	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:03	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	85.1 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	111 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
91-57-6	2-Methylnaphthalene	22.8		mg/kg dry	0.592	1.18	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 12:25	CD



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:05 am

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
62-53-3	Aniline	ND		mg/kg dry	0.237	0.473	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
120-12-7	Anthracene	0.585		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
92-87-5	Benzidine	ND		mg/kg dry	0.237	0.473	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
56-55-3	Benzo(a)anthracene	0.516		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:05 am

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.424		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
205-99-2	Benzo(b)fluoranthene	0.384		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
191-24-2	Benzo(g,h,i)perylene	0.266		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
207-08-9	Benzo(k)fluoranthene	0.367		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
218-01-9	Chrysene	0.666		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
53-70-3	Dibenzo(a,h)anthracene	0.0954	J	mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.118	0.236	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
206-44-0	Fluoranthene	1.10		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 5, 2021 11:05 am

Date Received
03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	2.04		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.223		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
91-20-3	Naphthalene	4.83		mg/kg dry	0.592	1.18	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/11/2021 12:25	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
85-01-8	Phenanthrene	3.32		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
108-95-2	Phenol	ND		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
129-00-0	Pyrene	1.17		mg/kg dry	0.0592	0.118	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
110-86-1	Pyridine	ND		mg/kg dry	0.237	0.473	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:27	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	49.4 %	S-08	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	51.4 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	159 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.7 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	91.6 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.1 %	24-116								



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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170430001

Soil

March 5, 2021 11:05 am

03/05/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 19:17	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %								
					39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.
21C0344

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170430001

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.689	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:11	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		89.5 %	25-150							
Surrogate: M5PFHxA		93.1 %	25-150							
Surrogate: M4PFHpA		59.1 %	25-150							
Surrogate: M3PFHxS		71.9 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		89.4 %	25-150							
Surrogate: M6PFDA		77.9 %	25-150							
Surrogate: M7PFUdA		67.1 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		66.4 %	25-150							
Surrogate: M2PFTeDA		68.3 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		99.9 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		68.2 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		92.2 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		63.6 %	10-150							
Surrogate: d3-N-MeFOSAA		42.9 %	25-150							
Surrogate: d5-N-EtFOSAA		65.0 %	25-150							
Surrogate: M2-6:2 FTS		62.7 %	25-150							
Surrogate: M2-8:2 FTS		75.4 %	25-150							
Surrogate: M9PFNA		109 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

Matrix

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21C0344

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 16:34	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 13:42	03/11/2021 16:34	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
72-20-8	Endrin	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 16:34	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.234	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:34	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0468	5	EPA 8081B Certifications:	03/09/2021 13:42	03/11/2021 16:34	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	104 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	63.6 %	30-150							



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.
21C0344

Client Project ID
170430001

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Collection Date/Time
March 5, 2021 11:05 am

Date Received
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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:13	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0236	1	EPA 8082A Certifications:	03/09/2021 13:42	03/10/2021 16:13	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	81.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	64.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0283	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:01	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0283	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:01	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0283	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:01	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	56.4 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.
21C0344

Client Project ID
170430001

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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	3870		mg/kg dry	7.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-38-2	Arsenic	5.94		mg/kg dry	2.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-39-3	Barium	133		mg/kg dry	3.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.071	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-43-9	Cadmium	0.778		mg/kg dry	0.428	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-70-2	Calcium	7170	B	mg/kg dry	7.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-47-3	Chromium	8.67		mg/kg dry	0.713	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-48-4	Cobalt	4.17		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-50-8	Copper	558		mg/kg dry	2.85	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7439-89-6	Iron	10800		mg/kg dry	35.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7439-92-1	Lead	265		mg/kg dry	0.713	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7439-95-4	Magnesium	1640		mg/kg dry	7.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7439-96-5	Manganese	101	B	mg/kg dry	0.713	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-02-0	Nickel	12.4		mg/kg dry	1.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-09-7	Potassium	610	B	mg/kg dry	7.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-22-4	Silver	ND		mg/kg dry	0.713	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-23-5	Sodium	183		mg/kg dry	71.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM
7440-62-2	Vanadium	12.4		mg/kg dry	1.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:22	WJM



Sample Information

Client Sample ID: SB03_6-8

York Sample ID: 21C0344-04

York Project (SDG) No.

Client Project ID

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Date Received

21C0344

170430001

Soil

March 5, 2021 11:05 am

03/05/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	792		mg/kg dry	3.57	1	EPA 6010D	03/09/2021 15:24	03/11/2021 21:22	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.675		mg/kg dry	0.0428	1	EPA 7473	03/12/2021 13:59	03/12/2021 16:49	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.713	1	EPA 7196A	03/09/2021 14:35	03/09/2021 21:02	MAO
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	8.67		mg/kg	0.500	1	Calculation	03/12/2021 13:01	03/12/2021 13:02	MAO
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.713	1	EPA 9014/9010C	03/09/2021 14:34	03/09/2021 21:03	MAO
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Total 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
solids	* % Solids	70.1		%	0.100	1	SM 2540G	03/10/2021 08:42	03/10/2021 14:14	OT
Certifications: CTDOH										



Sample Information

Client Sample ID: SB03_21-23

York Sample ID: 21C0344-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:10 am

03/05/2021

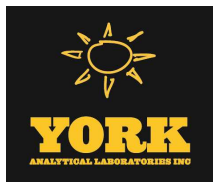
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:30	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:30	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
78-93-3	2-Butanone	0.0068	B, J	mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD



Sample Information

Client Sample ID: SB03_21-23

York Sample ID: 21C0344-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:10 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
67-64-1	Acetone	0.0097	J	mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
71-43-2	Benzene	0.0054	J	mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
110-82-7	Cyclohexane	0.0028	J	mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD



Sample Information

Client Sample ID: SB03_21-23

York Sample ID: 21C0344-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 11:10 am

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD



Sample Information

Client Sample ID: SB03_21-23

York Sample ID: 21C0344-05

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 5, 2021 11:10 am

Date Received
03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0057	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:30	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:30	MD
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.2 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	106 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	108 %		76-130							

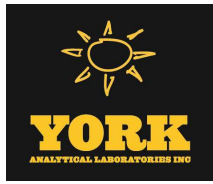
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15200		mg/kg dry	7.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-38-2	Arsenic	6.34		mg/kg dry	2.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-39-3	Barium	54.2		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.077	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.463	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-70-2	Calcium	2990		mg/kg dry	7.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-47-3	Chromium	25.0		mg/kg dry	0.772	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-48-4	Cobalt	9.58		mg/kg dry	0.618	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-50-8	Copper	17.9		mg/kg dry	3.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7439-89-6	Iron	26200		mg/kg dry	38.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7439-92-1	Lead	30.4		mg/kg dry	0.772	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7439-95-4	Magnesium	5460		mg/kg dry	7.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7439-96-5	Manganese	268		mg/kg dry	0.772	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM



Sample Information

Client Sample ID: SB03_21-23

York Sample ID: 21C0344-05

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 5, 2021 11:10 am

Date Received

03/05/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-02-0	Nickel	25.0		mg/kg dry	1.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-09-7	Potassium	2910	B	mg/kg dry	7.72	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-22-4	Silver	ND		mg/kg dry	0.772	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-23-5	Sodium	273		mg/kg dry	77.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-62-2	Vanadium	32.2		mg/kg dry	1.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM
7440-66-6	Zinc	63.6		mg/kg dry	3.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2021 15:48	03/19/2021 10:10	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0848		mg/kg dry	0.0463	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/18/2021 14:35	03/19/2021 15:13	BR

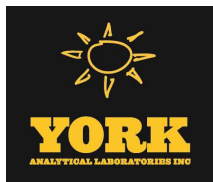
Total Solids

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
solids	* % Solids	64.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/16/2021 08:43	03/16/2021 15:52	OT



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:58	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:58	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.050	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
78-93-3	2-Butanone	0.0061	B, J	mg/kg dry	0.0025	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

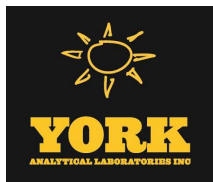
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
67-64-1	Acetone	0.0051	J	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-09-2	Methylene chloride	0.0070	J	mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0050	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 18:58	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0075	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 18:58	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	95.8 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	107 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
91-57-6	2-Methylnaphthalene	0.102		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
62-53-3	Aniline	ND		mg/kg dry	0.174	0.348	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
120-12-7	Anthracene	0.0750	J	mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
92-87-5	Benzidine	ND		mg/kg dry	0.174	0.348	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
56-55-3	Benzo(a)anthracene	0.265		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.202		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
205-99-2	Benzo(b)fluoranthene	0.174		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
191-24-2	Benzo(g,h,i)perylene	0.144		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
207-08-9	Benzo(k)fluoranthene	0.185		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0695	J, B	mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
218-01-9	Chrysene	0.262		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
53-70-3	Dibenzo(a,h)anthracene	0.0514	J	mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0869	0.174	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
206-44-0	Fluoranthene	0.494		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.117		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
91-20-3	Naphthalene	0.0542	J	mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
85-01-8	Phenanthrene	0.249		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
108-95-2	Phenol	ND		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
129-00-0	Pyrene	0.470		mg/kg dry	0.0436	0.0869	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
110-86-1	Pyridine	ND		mg/kg dry	0.174	0.348	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 18:59	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	41.4 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	62.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	26.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.6 %	24-116								



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/10/2021 19:34	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %					39-127.5			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.481	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:33	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		65.4 %	25-150							
Surrogate: M5PFHxA		71.3 %	25-150							
Surrogate: M4PFHpA		55.4 %	25-150							
Surrogate: M3PFHxS		57.5 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		91.9 %	25-150							
Surrogate: M6PFDA		71.3 %	25-150							
Surrogate: M7PFUdA		58.8 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		55.2 %	25-150							
Surrogate: M2PFTeDA		43.6 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		70.7 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		50.6 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		63.8 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		41.8 %	10-150							
Surrogate: d3-N-MeFOSAA		41.0 %	25-150							
Surrogate: d5-N-EtFOSAA		50.9 %	25-150							
Surrogate: M2-6:2 FTS		97.9 %	25-150							
Surrogate: M2-8:2 FTS		113 %	25-150							
Surrogate: M9PFNA		86.5 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

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21C0344

170430001

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 16:51	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 13:42	03/11/2021 16:51	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
72-20-8	Endrin	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 16:51	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.170	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 16:51	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0341	5	EPA 8081B Certifications:	03/09/2021 13:42	03/11/2021 16:51	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	118 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	84.6 %	30-150							



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 5, 2021 2:50 pm

Date Received
03/05/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:27	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0172	1	EPA 8082A Certifications:	03/09/2021 13:42	03/10/2021 16:27	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	77.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	60.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0209	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:12	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0209	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:12	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0209	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:12	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	39.2 %	21-150							

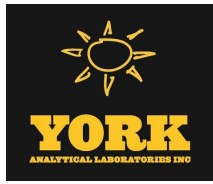
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:50 pm

03/05/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7250		mg/kg dry	5.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-38-2	Arsenic	5.56		mg/kg dry	1.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-39-3	Barium	61.8		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-43-9	Cadmium	0.475		mg/kg dry	0.315	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-70-2	Calcium	55800	B	mg/kg dry	5.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-47-3	Chromium	23.8		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-48-4	Cobalt	6.48		mg/kg dry	0.420	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-50-8	Copper	33.1		mg/kg dry	2.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7439-89-6	Iron	13000		mg/kg dry	26.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7439-92-1	Lead	47.5		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7439-95-4	Magnesium	14800		mg/kg dry	5.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7439-96-5	Manganese	270	B	mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-02-0	Nickel	21.9		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-09-7	Potassium	1010	B	mg/kg dry	5.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-22-4	Silver	ND		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-23-5	Sodium	415		mg/kg dry	52.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM
7440-62-2	Vanadium	25.8		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:24	WJM



Sample Information

Client Sample ID: SB11_0-2

York Sample ID: 21C0344-06

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 5, 2021 2:50 pm

Date Received

03/05/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	76.4		mg/kg dry	2.62	1	EPA 6010D	03/09/2021 15:24	03/11/2021 21:24	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0701		mg/kg dry	0.0315	1	EPA 7473	03/12/2021 13:59	03/12/2021 16:58	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.525	1	EPA 7196A	03/09/2021 14:35	03/09/2021 21:02	MAO
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.8		mg/kg	0.500	1	Calculation	03/12/2021 13:01	03/12/2021 13:02	MAO
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.525	1	EPA 9014/9010C	03/09/2021 14:34	03/09/2021 21:03	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total 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
solids	* % Solids	95.3		%	0.100	1	SM 2540G	03/10/2021 08:42	03/10/2021 14:14	OT
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/10/2021 06:47	03/10/2021 19:18	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/10/2021 06:47	03/10/2021 19:18	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.097	0.19	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
78-93-3	2-Butanone	0.046	B	mg/kg dry	0.0049	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

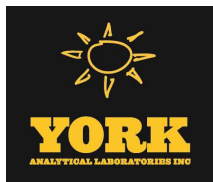
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
67-64-1	Acetone	0.12		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
110-82-7	Cyclohexane	0.030		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
108-87-2	Methylcyclohexane	0.018		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0097	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0049	0.0097	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/10/2021 06:47	03/10/2021 19:18	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.015	0.029	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/10/2021 06:47	03/10/2021 19:18	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.4 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	100 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	111 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
91-57-6	2-Methylnaphthalene	0.0690	J	mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
65794-96-9	3- & 4-Methylphenols	0.0772	J	mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
62-53-3	Aniline	ND		mg/kg dry	0.258	0.516	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
92-87-5	Benzidine	ND		mg/kg dry	0.258	0.516	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

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21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
218-01-9	Chrysene	0.0700	J	mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.129	0.257	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
206-44-0	Fluoranthene	0.153		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
91-20-3	Naphthalene	0.154		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
85-01-8	Phenanthrene	0.182		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
108-95-2	Phenol	ND		mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
129-00-0	Pyrene	0.106	J	mg/kg dry	0.0645	0.129	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
110-86-1	Pyridine	ND		mg/kg dry	0.258	0.516	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:41	03/10/2021 19:30	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	67.9 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	70.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	80.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	97.4 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	90.6 %	24-116								



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 5, 2021 2:55 pm

Date Received
03/05/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/10/2021 06:32	03/11/2021 11:30	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	46.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	1.10		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
2991-50-6	* N-EtFOSAA	1.25		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.
21C0344

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170430001

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March 5, 2021 2:55 pm

Date Received
03/05/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.718	1	EPA 537m Certifications:	03/08/2021 18:59	03/12/2021 00:55	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	64.8 %
Surrogate: M5PFHxA	76.1 %
Surrogate: M4PFHpA	50.8 %
Surrogate: M3PFHxS	56.6 %
Surrogate: Perfluoro-n-[13C8]octanoic acid	87.8 %
Surrogate: M6PFDA	65.8 %
Surrogate: M7PFUdA	53.7 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	49.1 %
Surrogate: M2PFTeDA	39.3 %
Surrogate: Perfluoro-n-[13C4]butanoic acid	67.4 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	46.4 %
Surrogate: Perfluoro-n-[13C5]pentanoic acid	64.9 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	37.6 %
Surrogate: d3-N-MeFOSAA	35.0 %
Surrogate: d5-N-EtFOSAA	49.2 %
Surrogate: M2-6:2 FTS	120 %
Surrogate: M2-8:2 FTS	112 %
Surrogate: M9PFNA	81.9 %

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 17:07	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/09/2021 13:42	03/11/2021 17:07	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
72-20-8	Endrin	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/09/2021 13:42	03/11/2021 17:07	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.254	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/11/2021 17:07	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0508	5	EPA 8081B Certifications:	03/09/2021 13:42	03/11/2021 17:07	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	110 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.6 %	30-150							



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.
21C0344

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 5, 2021 2:55 pm

Date Received
03/05/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/09/2021 13:42	03/10/2021 16:40	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0256	1	EPA 8082A Certifications:	03/09/2021 13:42	03/10/2021 16:40	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	81.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	64.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0306	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:23	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0306	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:23	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0306	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 06:58	03/11/2021 20:23	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	61.0 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 2:55 pm

03/05/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9280		mg/kg dry	7.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-38-2	Arsenic	9.07		mg/kg dry	2.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-39-3	Barium	95.9		mg/kg dry	3.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.078	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.466	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-70-2	Calcium	12700	B	mg/kg dry	7.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-47-3	Chromium	15.8		mg/kg dry	0.777	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-48-4	Cobalt	7.71		mg/kg dry	0.622	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-50-8	Copper	75.1		mg/kg dry	3.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7439-89-6	Iron	12500		mg/kg dry	38.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7439-92-1	Lead	157		mg/kg dry	0.777	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7439-95-4	Magnesium	2270		mg/kg dry	7.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7439-96-5	Manganese	164	B	mg/kg dry	0.777	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-02-0	Nickel	24.3		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-09-7	Potassium	1100	B	mg/kg dry	7.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-22-4	Silver	ND		mg/kg dry	0.777	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-23-5	Sodium	233		mg/kg dry	77.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM
7440-62-2	Vanadium	21.6		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM



Sample Information

Client Sample ID: SB11_8-10

York Sample ID: 21C0344-07

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 5, 2021 2:55 pm

Date Received

03/05/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	323		mg/kg dry	3.89	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/09/2021 15:24	03/11/2021 21:27	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.557		mg/kg dry	0.0466	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/12/2021 13:59	03/12/2021 17:07	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.777	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/09/2021 14:35	03/09/2021 21:02	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	15.8		mg/kg	0.500	1	Calculation Certifications:	03/12/2021 13:01	03/12/2021 13:02	MAO

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.777	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/09/2021 14:34	03/09/2021 21:03	MAO

Total 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
solids	* % Solids	64.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/10/2021 08:42	03/10/2021 14:14	OT



Sample Information

Client Sample ID: SB11_17-19

York Sample ID: 21C0344-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 3:00 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 19:53	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 19:53	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
78-93-3	2-Butanone	0.019	B	mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD



Sample Information

Client Sample ID: SB11_17-19

York Sample ID: 21C0344-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 3:00 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
67-64-1	Acetone	0.043		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD



Sample Information

Client Sample ID: SB11_17-19

York Sample ID: 21C0344-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 3:00 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-09-2	Methylene chloride	0.0055	J	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-65-0	tert-Butyl alcohol (TBA)	0.0073		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD



Sample Information

Client Sample ID: SB11_17-19

York Sample ID: 21C0344-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Soil

March 5, 2021 3:00 pm

03/05/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/09/2021 19:53	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/09/2021 19:53	MD
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.9 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	108 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	109 %	76-130								

Total 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
solids	* % Solids	82.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/16/2021 08:43	03/16/2021 15:52	OT



Sample Information

Client Sample ID: ECFB04_030521

York Sample ID: 21C0344-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Water

March 5, 2021 2:45 pm

03/05/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.47	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfoni c acid (8:2 FTS)	ND		ng/L	0.988	1	EPA 537m Certifications:	03/08/2021 18:46	03/10/2021 23:45	WL



Sample Information

Client Sample ID: ECFB04_030521

York Sample ID: 21C0344-09

York Project (SDG) No.

21C0344

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 5, 2021 2:45 pm

Date Received

03/05/2021

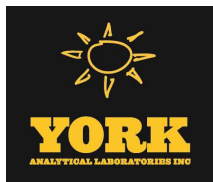
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.988	1	EPA 537m	03/08/2021 18:46	03/10/2021 23:45	WL
Certifications:										
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		131 %		25-150						
Surrogate: M5PFHxA		134 %		25-150						
Surrogate: M4PFHpA		88.7 %		25-150						
Surrogate: M3PFHxS		105 %		25-150						
Surrogate: Perfluoro-n-[13C8]octanoic aci		119 %		25-150						
Surrogate: M6PFDA		131 %		25-150						
Surrogate: M7PFUdA		100 %		25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		76.4 %		25-150						
Surrogate: M2PFTeDA		33.3 %		10-150						
Surrogate: Perfluoro-n-[13C4]butanoic aci		144 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfo		108 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic a		134 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfo		81.0 %		10-150						
Surrogate: d3-N-MeFOSAA		62.6 %		25-150						
Surrogate: d5-N-EtFOSAA		68.8 %		25-150						
Surrogate: M2-6:2 FTS		93.5 %		25-150						
Surrogate: M2-8:2 FTS		151 %	PFSu-H	25-150						
Surrogate: M9PFNA		122 %		25-150						



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C0344-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0344

170430001

Water

March 5, 2021 12:00 am

03/05/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
78-93-3	2-Butanone	0.350	Cal-E, B	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C0344-10

York Project (SDG) No.

Client Project ID

Matrix

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21C0344

170430001

Water

March 5, 2021 12:00 am

03/05/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA





Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C0344-10

York Project (SDG) No.

Client Project ID

Matrix

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21C0344

170430001

Water

March 5, 2021 12:00 am

03/05/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C0344-10

York Project (SDG) No.

Client Project ID

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170430001

Water

March 5, 2021 12:00 am

03/05/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/08/2021 06:47	03/08/2021 14:21	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/08/2021 06:47	03/08/2021 14:21	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.9 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	95.7 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.2 %	79-122								



Analytical Batch Summary

Batch ID: BC10461

Preparation Method: EPA 5030B

Prepared By: KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/08/21
21C0344-10	Trip Blank	03/08/21
BC10461-BLK1	Blank	03/08/21
BC10461-BS1	LCS	03/08/21
BC10461-BSD1	LCS Dup	03/08/21

Batch ID: BC10473

Preparation Method: EPA 5035A

Prepared By: MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-03	SB03_0.5-2	03/09/21
21C0344-04	SB03_6-8	03/09/21
21C0344-05	SB03_21-23	03/09/21
21C0344-06	SB11_0-2	03/09/21
21C0344-08	SB11_17-19	03/09/21
BC10473-BLK1	Blank	03/09/21
BC10473-BLK2	Blank	03/09/21
BC10473-BLK3	Blank	03/09/21
BC10473-BLK4	Blank	03/09/21
BC10473-BS1	LCS	03/09/21
BC10473-BSD1	LCS Dup	03/09/21

Batch ID: BC10474

Preparation Method: SPE Ext-PFAS-EPA 537.1M

Prepared By: SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-09	ECFB04_030521	03/08/21
BC10474-BLK1	Blank	03/08/21
BC10474-BS1	LCS	03/08/21
BC10474-BSD1	LCS Dup	03/08/21
BC10474-MS1	Matrix Spike	03/08/21
BC10474-MS2	Matrix Spike	03/08/21

Batch ID: BC10476

Preparation Method: SPE PFAS Extraction-Soil-EPA 537m

Prepared By: SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/08/21
21C0344-03	SB03_0.5-2	03/08/21
21C0344-04	SB03_6-8	03/08/21
21C0344-06	SB11_0-2	03/08/21
21C0344-07	SB11_8-10	03/08/21
BC10476-BLK1	Blank	03/08/21
BC10476-BS1	LCS	03/08/21
BC10476-MS1	Matrix Spike	03/08/21
BC10476-MS2	Matrix Spike	03/08/21
BC10476-MSD1	Matrix Spike Dup	03/08/21



BC10476-MSD2

Matrix Spike Dup

03/08/21

Batch ID: BC10480**Preparation Method:** Analysis Preparation**Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/08/21
BC10480-BLK1	Blank	03/08/21
BC10480-BS1	LCS	03/08/21
BC10480-DUP1	Duplicate	03/08/21
BC10480-MS1	Matrix Spike	03/08/21

Batch ID: BC10523**Preparation Method:** EPA 3550C**Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/09/21
21C0344-02	SB03_0-0.5	03/09/21
21C0344-03	SB03_0.5-2	03/09/21
21C0344-03	SB03_0.5-2	03/09/21
21C0344-04	SB03_6-8	03/09/21
21C0344-04	SB03_6-8	03/09/21
21C0344-06	SB11_0-2	03/09/21
21C0344-06	SB11_0-2	03/09/21
21C0344-07	SB11_8-10	03/09/21
21C0344-07	SB11_8-10	03/09/21
BC10523-BLK1	Blank	03/09/21
BC10523-BLK2	Blank	03/09/21
BC10523-BS1	LCS	03/09/21
BC10523-BS2	LCS	03/09/21
BC10523-MS1	Matrix Spike	03/09/21
BC10523-MS2	Matrix Spike	03/09/21
BC10523-MSD1	Matrix Spike Dup	03/09/21
BC10523-MSD2	Matrix Spike Dup	03/09/21

Batch ID: BC10534**Preparation Method:** Analysis Preparation Soil**Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/09/21
21C0344-03	SB03_0.5-2	03/09/21
21C0344-04	SB03_6-8	03/09/21
21C0344-06	SB11_0-2	03/09/21
21C0344-07	SB11_8-10	03/09/21
BC10534-BLK1	Blank	03/09/21
BC10534-DUP1	Duplicate	03/09/21
BC10534-MS1	Matrix Spike	03/09/21
BC10534-SRM1	Reference	03/09/21

Batch ID: BC10535**Preparation Method:** EPA SW846-3060**Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date



21C0344-02	SB03_0-0.5	03/09/21
21C0344-03	SB03_0.5-2	03/09/21
21C0344-04	SB03_6-8	03/09/21
21C0344-06	SB11_0-2	03/09/21
21C0344-07	SB11_8-10	03/09/21
BC10535-BLK1	Blank	03/09/21
BC10535-DUP1	Duplicate	03/09/21
BC10535-MS1	Matrix Spike	03/09/21
BC10535-SRM1	Reference	03/09/21

Batch ID: BC10544 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/09/21
21C0344-03	SB03_0.5-2	03/09/21
21C0344-04	SB03_6-8	03/09/21
21C0344-06	SB11_0-2	03/09/21
21C0344-07	SB11_8-10	03/09/21
BC10544-BLK1	Blank	03/09/21
BC10544-DUP1	Duplicate	03/09/21
BC10544-MS1	Matrix Spike	03/09/21
BC10544-PS1	Post Spike	03/09/21
BC10544-SRM1	Reference	03/09/21

Batch ID: BC10568 **Preparation Method:** EPA 3550C **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/10/21
21C0344-03	SB03_0.5-2	03/10/21
21C0344-04	SB03_6-8	03/10/21
21C0344-06	SB11_0-2	03/10/21
21C0344-07	SB11_8-10	03/10/21
BC10568-BLK1	Blank	03/10/21
BC10568-BS1	LCS	03/10/21
BC10568-MS1	Matrix Spike	03/10/21
BC10568-MS2	Matrix Spike	03/10/21
BC10568-MSD1	Matrix Spike Dup	03/10/21
BC10568-MSD2	Matrix Spike Dup	03/10/21

Batch ID: BC10570 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/10/21
BC10570-BLK1	Blank	03/10/21
BC10570-BS1	LCS	03/10/21
BC10570-BSD1	LCS Dup	03/10/21

Batch ID: BC10572 **Preparation Method:** EPA 3546 SVOA **Prepared By:** SJB



YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/10/21
21C0344-03	SB03_0.5-2	03/10/21
21C0344-03RE1	SB03_0.5-2	03/10/21
21C0344-03RE2	SB03_0.5-2	03/10/21
21C0344-04	SB03_6-8	03/10/21
21C0344-04RE1	SB03_6-8	03/10/21
21C0344-06	SB11_0-2	03/10/21
21C0344-07	SB11_8-10	03/10/21
BC10572-BLK1	Blank	03/10/21
BC10572-BS1	LCS	03/10/21
BC10572-MS1	Matrix Spike	03/10/21
BC10572-MSD1	Matrix Spike Dup	03/10/21

Batch ID: BC10582 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/10/21
21C0344-03	SB03_0.5-2	03/10/21
21C0344-04	SB03_6-8	03/10/21
21C0344-06	SB11_0-2	03/10/21
21C0344-07	SB11_8-10	03/10/21
BC10582-DUP1	Duplicate	03/10/21

Batch ID: BC10604 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-07	SB11_8-10	03/10/21
BC10604-BLK1	Blank	03/10/21
BC10604-BLK2	Blank	03/10/21
BC10604-BS1	LCS	03/10/21
BC10604-BSD1	LCS Dup	03/10/21

Batch ID: BC10618 **Preparation Method:** EPA 3510C **Prepared By:** GO

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/10/21
BC10618-BLK1	Blank	03/10/21
BC10618-BLK2	Blank	03/10/21
BC10618-BS1	LCS	03/10/21
BC10618-BS2	LCS	03/10/21
BC10618-BSD1	LCS Dup	03/10/21

Batch ID: BC10646 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/11/21
21C0344-03	SB03_0.5-2	03/11/21



21C0344-04	SB03_6-8	03/11/21
21C0344-06	SB11_0-2	03/11/21
21C0344-07	SB11_8-10	03/11/21
BC10646-BLK1	Blank	03/11/21
BC10646-BS1	LCS	03/11/21
BC10646-MS1	Matrix Spike	03/11/21
BC10646-MSD1	Matrix Spike Dup	03/11/21

Batch ID: BC10649 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/11/21
21C0344-01	SOFB02_030521	03/11/21
BC10649-BLK1	Blank	03/11/21
BC10649-BLK2	Blank	03/11/21
BC10649-BS1	LCS	03/11/21
BC10649-BS2	LCS	03/11/21
BC10649-BSD1	LCS Dup	03/11/21
BC10649-BSD2	LCS Dup	03/11/21

Batch ID: BC10674 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/11/21
BC10674-BLK1	Blank	03/11/21
BC10674-BS1	LCS	03/11/21
BC10674-DUP1	Duplicate	03/11/21
BC10674-MS1	Matrix Spike	03/11/21
BC10674-PS1	Post Spike	03/11/21

Batch ID: BC10678 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/11/21
BC10678-BLK1	Blank	03/11/21
BC10678-BS1	LCS	03/11/21
BC10678-BSD1	LCS Dup	03/11/21
BC10678-MS1	Matrix Spike	03/11/21
BC10678-MSD1	Matrix Spike Dup	03/11/21

Batch ID: BC10680 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/11/21
BC10680-BLK1	Blank	03/11/21
BC10680-BS1	LCS	03/11/21
BC10680-DUP1	Duplicate	03/11/21
BC10680-MS1	Matrix Spike	03/11/21



Batch ID: BC10694 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/11/21
BC10694-BLK1	Blank	03/11/21
BC10694-BS1	LCS	03/11/21
BC10694-MS1	Matrix Spike	03/11/21
BC10694-MSD1	Matrix Spike Dup	03/11/21

Batch ID: BC10734 **Preparation Method:** Analysis Preparation **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/12/21
BC10734-BLK1	Blank	03/12/21
BC10734-BS1	LCS	03/12/21
BC10734-DUP1	Duplicate	03/12/21
BC10734-MS1	Matrix Spike	03/12/21

Batch ID: BC10766 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/12/21
21C0344-03	SB03_0.5-2	03/12/21
21C0344-04	SB03_6-8	03/12/21
21C0344-06	SB11_0-2	03/12/21
21C0344-07	SB11_8-10	03/12/21

Batch ID: BC10781 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-02	SB03_0-0.5	03/12/21
21C0344-03	SB03_0.5-2	03/12/21
21C0344-04	SB03_6-8	03/12/21
21C0344-06	SB11_0-2	03/12/21
21C0344-07	SB11_8-10	03/12/21
BC10781-BLK1	Blank	03/12/21
BC10781-DUP1	Duplicate	03/12/21
BC10781-DUP2	Duplicate	03/12/21
BC10781-MS1	Matrix Spike	03/12/21
BC10781-MS2	Matrix Spike	03/12/21
BC10781-SRM1	Reference	03/12/21

Batch ID: BC10793 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/12/21



Batch ID: BC10798 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-01	SOFB02_030521	03/12/21
BC10798-BLK1	Blank	03/12/21
BC10798-BS1	LCS	03/12/21
BC10798-BS2	LCS	03/12/21

Batch ID: BC10913 **Preparation Method:** % Solids Prep **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-05	SB03_21-23	03/16/21
21C0344-08	SB11_17-19	03/16/21
BC10913-DUP1	Duplicate	03/16/21

Batch ID: BC11055 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-05	SB03_21-23	03/17/21
BC11055-BLK1	Blank	03/17/21
BC11055-DUP1	Duplicate	03/17/21
BC11055-MS1	Matrix Spike	03/17/21
BC11055-PS1	Post Spike	03/17/21
BC11055-SRM1	Reference	03/17/21

Batch ID: BC11120 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0344-05	SB03_21-23	03/18/21
BC11120-BLK1	Blank	03/18/21
BC11120-DUP1	Duplicate	03/18/21
BC11120-MS1	Matrix Spike	03/18/21
BC11120-SRM1	Reference	03/18/21



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 BC10461 - EPA 5030B											
Blank (BC10461-BLK1)	Blank										Prepared & Analyzed: 03/08/2021
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.370	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BC10461 - EPA 5030B

Blank (BC10461-BLK1)	Blank		Prepared & Analyzed: 03/08/2021								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	9.36		"	10.0		93.6	69-130				
<i>Surrogate: SURR: Toluene-d8</i>	9.70		"	10.0		97.0	81-117				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	9.72		"	10.0		97.2	79-122				

LCS (BC10461-BS1)	LCS		Prepared & Analyzed: 03/08/2021								
1,1,1,2-Tetrachloroethane	10.3		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	11.7		"	10.0		117	78-136				
1,1,2,2-Tetrachloroethane	8.99		"	10.0		89.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	15.2		"	10.0		152	54-165				
1,1,2-Trichloroethane	9.02		"	10.0		90.2	82-123				
1,1-Dichloroethane	11.2		"	10.0		112	82-129				
1,1-Dichloroethylene	12.4		"	10.0		124	68-138				
1,2,3-Trichlorobenzene	8.84		"	10.0		88.4	76-136				
1,2,3-Trichloropropane	9.28		"	10.0		92.8	77-128				
1,2,4-Trichlorobenzene	10.2		"	10.0		102	76-137				
1,2,4-Trimethylbenzene	11.9		"	10.0		119	82-132				
1,2-Dibromo-3-chloropropane	8.28		"	10.0		82.8	45-147				
1,2-Dibromoethane	9.17		"	10.0		91.7	83-124				
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123				
1,2-Dichloroethane	10.1		"	10.0		101	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	12.2		"	10.0		122	80-131				
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122				
1,4-Dichlorobenzene	10.9		"	10.0		109	85-124				
1,4-Dioxane	136		"	210		64.7	10-349				
2-Butanone	8.32		"	10.0		83.2	49-152				
2-Hexanone	6.91		"	10.0		69.1	51-146				
4-Methyl-2-pentanone	7.17		"	10.0		71.7	57-145				
Acetone	10.4		"	10.0		104	14-150				
Acrolein	12.4		"	10.0		124	10-153				
Acrylonitrile	9.31		"	10.0		93.1	51-150				
Benzene	11.8		"	10.0		118	85-126				
Bromochloromethane	9.93		"	10.0		99.3	77-128				
Bromodichloromethane	9.85		"	10.0		98.5	79-128				



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 BC10461 - EPA 5030B											
LCS (BC10461-BS1)	LCS		Prepared & Analyzed: 03/08/2021								
Bromoform	8.72		ug/L	10.0		87.2	78-133				
Bromomethane	10.4		"	10.0		104	43-168				
Carbon disulfide	13.2		"	10.0		132	68-146				
Carbon tetrachloride	12.0		"	10.0		120	77-141				
Chlorobenzene	10.9		"	10.0		109	88-120				
Chloroethane	12.8		"	10.0		128	65-136				
Chloroform	11.3		"	10.0		113	82-128				
Chloromethane	16.0		"	10.0		160	43-155	High Bias			
cis-1,2-Dichloroethylene	11.4		"	10.0		114	83-129				
cis-1,3-Dichloropropylene	9.18		"	10.0		91.8	80-131				
Cyclohexane	10.9		"	10.0		109	63-149				
Dibromochloromethane	9.44		"	10.0		94.4	80-130				
Dibromomethane	9.24		"	10.0		92.4	72-134				
Dichlorodifluoromethane	20.2		"	10.0		202	44-144	High Bias			
Ethyl Benzene	11.9		"	10.0		119	80-131				
Hexachlorobutadiene	12.6		"	10.0		126	67-146				
Isopropylbenzene	12.2		"	10.0		122	76-140				
Methyl acetate	7.56		"	10.0		75.6	51-139				
Methyl tert-butyl ether (MTBE)	8.79		"	10.0		87.9	76-135				
Methylcyclohexane	12.9		"	10.0		129	72-143				
Methylene chloride	10.9		"	10.0		109	55-137				
n-Butylbenzene	12.4		"	10.0		124	79-132				
n-Propylbenzene	12.3		"	10.0		123	78-133				
o-Xylene	11.2		"	10.0		112	78-130				
p- & m- Xylenes	24.0		"	20.0		120	77-133				
p-Isopropyltoluene	12.4		"	10.0		124	81-136				
sec-Butylbenzene	12.8		"	10.0		128	79-137				
Styrene	10.8		"	10.0		108	67-132				
tert-Butyl alcohol (TBA)	27.8		"	50.0		55.6	25-162				
tert-Butylbenzene	10.4		"	10.0		104	77-138				
Tetrachloroethylene	11.6		"	10.0		116	82-131				
Toluene	11.2		"	10.0		112	80-127				
trans-1,2-Dichloroethylene	12.4		"	10.0		124	80-132				
trans-1,3-Dichloropropylene	8.62		"	10.0		86.2	78-131				
Trichloroethylene	11.3		"	10.0		113	82-128				
Trichlorofluoromethane	14.2		"	10.0		142	67-139	High Bias			
Vinyl Chloride	14.1		"	10.0		141	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	8.21		"	10.0		82.1	69-130				
Surrogate: SURR: Toluene-d8	9.83		"	10.0		98.3	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.1		"	10.0		101	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 BC10461 - EPA 5030B											
LCS Dup (BC10461-BSID1)	LCS Dup		Prepared & Analyzed: 03/08/2021								
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126		0.580	30	
1,1,1-Trichloroethane	11.6		"	10.0		116	78-136		1.20	30	
1,1,2,2-Tetrachloroethane	9.82		"	10.0		98.2	76-129		8.83	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.8		"	10.0		148	54-165		2.07	30	
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123		13.3	30	
1,1-Dichloroethane	10.9		"	10.0		109	82-129		2.90	30	
1,1-Dichloroethylene	12.0		"	10.0		120	68-138		3.44	30	
1,2,3-Trichlorobenzene	9.73		"	10.0		97.3	76-136		9.59	30	
1,2,3-Trichloropropane	10.1		"	10.0		101	77-128		8.86	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		3.45	30	
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132		12.3	30	
1,2-Dibromo-3-chloropropane	9.53		"	10.0		95.3	45-147		14.0	30	
1,2-Dibromoethane	10.4		"	10.0		104	83-124		12.6	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		3.05	30	
1,2-Dichloroethane	11.2		"	10.0		112	73-132		9.88	30	
1,2-Dichloropropane	10.4		"	10.0		104	78-126		2.29	30	
1,3,5-Trimethylbenzene	10.7		"	10.0		107	80-131		12.8	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		8.31	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		6.93	30	
1,4-Dioxane	182		"	210		86.7	10-349		29.0	30	
2-Butanone	10.4		"	10.0		104	49-152		22.6	30	
2-Hexanone	9.03		"	10.0		90.3	51-146		26.6	30	
4-Methyl-2-pentanone	9.18		"	10.0		91.8	57-145		24.6	30	
Acetone	12.8		"	10.0		128	14-150		20.7	30	
Acrolein	16.0		"	10.0		160	10-153	High Bias	25.7	30	
Acrylonitrile	12.2		"	10.0		122	51-150		27.0	30	
Benzene	11.7		"	10.0		117	85-126		0.766	30	
Bromochloromethane	10.9		"	10.0		109	77-128		9.13	30	
Bromodichloromethane	10.1		"	10.0		101	79-128		2.61	30	
Bromoform	10.3		"	10.0		103	78-133		16.6	30	
Bromomethane	9.66		"	10.0		96.6	43-168		7.76	30	
Carbon disulfide	12.6		"	10.0		126	68-146		4.51	30	
Carbon tetrachloride	11.7		"	10.0		117	77-141		2.37	30	
Chlorobenzene	10.6		"	10.0		106	88-120		2.69	30	
Chloroethane	12.4		"	10.0		124	65-136		2.54	30	
Chloroform	11.4		"	10.0		114	82-128		1.50	30	
Chloromethane	15.7		"	10.0		157	43-155	High Bias	1.76	30	
cis-1,2-Dichloroethylene	11.4		"	10.0		114	83-129		0.00	30	
cis-1,3-Dichloropropylene	9.53		"	10.0		95.3	80-131		3.74	30	
Cyclohexane	10.8		"	10.0		108	63-149		1.02	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		9.39	30	
Dibromomethane	10.1		"	10.0		101	72-134		8.50	30	
Dichlorodifluoromethane	19.7		"	10.0		197	44-144	High Bias	2.31	30	
Ethyl Benzene	11.1		"	10.0		111	80-131		6.60	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		5.12	30	
Isopropylbenzene	10.4		"	10.0		104	76-140		16.0	30	
Methyl acetate	9.41		"	10.0		94.1	51-139		21.8	30	
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135		21.9	30	
Methylcyclohexane	12.2		"	10.0		122	72-143		5.49	30	
Methylene chloride	11.8		"	10.0		118	55-137		8.21	30	
n-Butylbenzene	10.6		"	10.0		106	79-132		15.4	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10461 - EPA 5030B											
LCS Dup (BC10461-BSD1)	LCS Dup		Prepared & Analyzed: 03/08/2021								
n-Propylbenzene	10.5		ug/L	10.0		105	78-133		15.9	30	
o-Xylene	10.8		"	10.0		108	78-130		3.27	30	
p- & m- Xylenes	22.6		"	20.0		113	77-133		6.40	30	
p-Isopropyltoluene	11.1		"	10.0		111	81-136		11.1	30	
sec-Butylbenzene	11.3		"	10.0		113	79-137		12.9	30	
Styrene	10.8		"	10.0		108	67-132		0.369	30	
tert-Butyl alcohol (TBA)	43.3		"	50.0		86.6	25-162		43.5	30	Non-dir.
tert-Butylbenzene	8.99		"	10.0		89.9	77-138		14.5	30	
Tetrachloroethylene	10.9		"	10.0		109	82-131		6.05	30	
Toluene	10.7		"	10.0		107	80-127		4.56	30	
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132		3.77	30	
trans-1,3-Dichloropropylene	9.37		"	10.0		93.7	78-131		8.34	30	
Trichloroethylene	10.6		"	10.0		106	82-128		6.46	30	
Trichlorofluoromethane	13.8		"	10.0		138	67-139		2.72	30	
Vinyl Chloride	13.6		"	10.0		136	58-145		4.26	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.33		"	10.0		93.3	69-130				
Surrogate: SURR: Toluene-d8	9.44		"	10.0		94.4	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.43		"	10.0		94.3	79-122				

Batch BC10473 - EPA 5035A

Blank (BC10473-BLK1)	Blank		Prepared & Analyzed: 03/09/2021								
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0060	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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 BC10473 - EPA 5035A

Blank (BC10473-BLK1)	Blank		Prepared & Analyzed: 03/09/2021								
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	49.4		ug/L	50.0		98.8	77-125				
Surrogate: SURRE: Toluene-d8	54.2		"	50.0		108	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	54.7		"	50.0		109	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10473 - EPA 5035A											
Blank (BC10473-BLK2)	Blank										Prepared & Analyzed: 03/09/2021
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	0.73	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	0.26	0.50	"								
Carbon disulfide	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	"								
Cyclohexane	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 acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10473 - EPA 5035A

Blank (BC10473-BLK2)	Blank		Prepared & Analyzed: 03/09/2021								
n-Propylbenzene	ND	0.50	mg/kg wet								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>46.9</i>		<i>ug/L</i>	<i>50.0</i>		<i>93.7</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>54.6</i>		<i>"</i>	<i>50.0</i>		<i>109</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>55.3</i>		<i>"</i>	<i>50.0</i>		<i>111</i>	<i>76-130</i>				

Blank (BC10473-BLK3)	holding blank-21C0352		Prepared & Analyzed: 03/09/2021								
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0054	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BC10473 - EPA 5035A

Blank (BC10473-BLK3)		holding blank-21C0352				Prepared & Analyzed: 03/09/2021					
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	47.1		ug/L	50.0		94.1	77-125				
Surrogate: SURR: Toluene-d8	53.4		"	50.0		107	85-120				
Surrogate: SURR: p-Bromofluorobenzene	53.1		"	50.0		106	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10473 - EPA 5035A											
Blank (BC10473-BLK4)	holding blank-21C0344								Prepared & Analyzed: 03/09/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0052	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10473 - EPA 5035A

Blank (BC10473-BLK4)		holding blank-21C0344				Prepared & Analyzed: 03/09/2021					
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	47.7		ug/L	50.0		95.5	77-125				
Surrogate: SURR: Toluene-d8	53.9		"	50.0		108	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.0		"	50.0		108	76-130				

LCS (BC10473-BS1)		LCS				Prepared & Analyzed: 03/09/2021					
1,1,1,2-Tetrachloroethane	52.8		ug/L	50.0		106	75-129				
1,1,1-Trichloroethane	51.4		"	50.0		103	71-137				
1,1,2,2-Tetrachloroethane	54.6		"	50.0		109	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58.3		"	50.0		117	58-146				
1,1,2-Trichloroethane	53.6		"	50.0		107	83-123				
1,1-Dichloroethane	44.8		"	50.0		89.6	75-130				
1,1-Dichloroethylene	47.9		"	50.0		95.9	64-137				
1,2,3-Trichlorobenzene	52.3		"	50.0		105	81-140				
1,2,3-Trichloropropane	56.8		"	50.0		114	81-126				
1,2,4-Trichlorobenzene	51.9		"	50.0		104	80-141				
1,2,4-Trimethylbenzene	56.0		"	50.0		112	84-125				
1,2-Dibromo-3-chloropropane	55.7		"	50.0		111	74-142				
1,2-Dibromoethane	54.8		"	50.0		110	86-123				
1,2-Dichlorobenzene	53.8		"	50.0		108	85-122				
1,2-Dichloroethane	44.7		"	50.0		89.5	71-133				
1,2-Dichloropropane	49.4		"	50.0		98.9	81-122				
1,3,5-Trimethylbenzene	56.8		"	50.0		114	82-126				
1,3-Dichlorobenzene	52.9		"	50.0		106	84-124				
1,4-Dichlorobenzene	51.4		"	50.0		103	84-124				
1,4-Dioxane	1370		"	1050		130	10-228				
2-Butanone	47.0		"	50.0		93.9	58-147				
2-Hexanone	47.7		"	50.0		95.4	70-139				
4-Methyl-2-pentanone	46.0		"	50.0		92.0	72-132				
Acetone	35.6		"	50.0		71.1	36-155				
Acrolein	52.6		"	50.0		105	10-238				
Acrylonitrile	46.5		"	50.0		92.9	66-141				
Benzene	51.7		"	50.0		103	77-127				
Bromochloromethane	43.6		"	50.0		87.3	74-129				
Bromodichloromethane	52.2		"	50.0		104	81-124				
Bromoform	50.5		"	50.0		101	80-136				



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 BC10473 - EPA 5035A

LCS (BC10473-BS1)	LCS	Prepared & Analyzed: 03/09/2021									
Bromomethane	54.7	ug/L	50.0	109	32-177						
Carbon disulfide	52.8	"	50.0	106	10-136						
Carbon tetrachloride	52.4	"	50.0	105	66-143						
Chlorobenzene	53.3	"	50.0	107	86-120						
Chloroethane	49.8	"	50.0	99.6	51-142						
Chloroform	47.8	"	50.0	95.6	76-131						
Chloromethane	53.4	"	50.0	107	49-132						
cis-1,2-Dichloroethylene	46.2	"	50.0	92.4	74-132						
cis-1,3-Dichloropropylene	52.3	"	50.0	105	81-129						
Cyclohexane	47.4	"	50.0	94.9	70-130						
Dibromochloromethane	54.9	"	50.0	110	10-200						
Dibromomethane	52.0	"	50.0	104	83-124						
Dichlorodifluoromethane	55.8	"	50.0	112	28-158						
Ethyl Benzene	53.9	"	50.0	108	84-125						
Hexachlorobutadiene	53.7	"	50.0	107	83-133						
Isopropylbenzene	56.6	"	50.0	113	81-127						
Methyl acetate	42.6	"	50.0	85.2	41-143						
Methyl tert-butyl ether (MTBE)	47.1	"	50.0	94.3	74-131						
Methylcyclohexane	56.7	"	50.0	113	70-130						
Methylene chloride	44.4	"	50.0	88.9	57-141						
n-Butylbenzene	51.5	"	50.0	103	80-130						
n-Propylbenzene	54.5	"	50.0	109	74-136						
o-Xylene	52.2	"	50.0	104	83-123						
p- & m- Xylenes	108	"	100	108	82-128						
p-Isopropyltoluene	58.1	"	50.0	116	85-125						
sec-Butylbenzene	60.1	"	50.0	120	83-125						
Styrene	54.9	"	50.0	110	86-126						
tert-Butyl alcohol (TBA)	277	"	250	111	70-130						
tert-Butylbenzene	51.1	"	50.0	102	80-127						
Tetrachloroethylene	48.1	"	50.0	96.2	80-129						
Toluene	52.2	"	50.0	104	85-121						
trans-1,2-Dichloroethylene	49.3	"	50.0	98.6	72-132						
trans-1,3-Dichloropropylene	52.3	"	50.0	105	78-132						
Trichloroethylene	57.0	"	50.0	114	84-123						
Trichlorofluoromethane	52.9	"	50.0	106	62-140						
Vinyl Chloride	58.2	"	50.0	116	52-130						
Surrogate: SURR: 1,2-Dichloroethane-d4	45.8	"	50.0	91.7	77-125						
Surrogate: SURR: Toluene-d8	54.4	"	50.0	109	85-120						
Surrogate: SURR: p-Bromofluorobenzene	49.1	"	50.0	98.3	76-130						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10473 - EPA 5035A											
LCS Dup (BC10473-BSD1)	LCS Dup		Prepared & Analyzed: 03/09/2021								
1,1,1,2-Tetrachloroethane	52.6		ug/L	50.0		105	75-129		0.380	30	
1,1,1-Trichloroethane	50.2		"	50.0		100	71-137		2.30	30	
1,1,2,2-Tetrachloroethane	54.1		"	50.0		108	79-129		1.07	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56.5		"	50.0		113	58-146		3.15	30	
1,1,2-Trichloroethane	53.4		"	50.0		107	83-123		0.468	30	
1,1-Dichloroethane	44.3		"	50.0		88.6	75-130		1.17	30	
1,1-Dichloroethylene	46.6		"	50.0		93.1	64-137		2.90	30	
1,2,3-Trichlorobenzene	53.6		"	50.0		107	81-140		2.62	30	
1,2,3-Trichloropropane	54.7		"	50.0		109	81-126		3.73	30	
1,2,4-Trichlorobenzene	54.2		"	50.0		108	80-141		4.26	30	
1,2,4-Trimethylbenzene	54.7		"	50.0		109	84-125		2.24	30	
1,2-Dibromo-3-chloropropane	52.6		"	50.0		105	74-142		5.70	30	
1,2-Dibromoethane	54.2		"	50.0		108	86-123		1.10	30	
1,2-Dichlorobenzene	53.8		"	50.0		108	85-122		0.186	30	
1,2-Dichloroethane	44.5		"	50.0		88.9	71-133		0.628	30	
1,2-Dichloropropane	48.1		"	50.0		96.1	81-122		2.83	30	
1,3,5-Trimethylbenzene	55.2		"	50.0		110	82-126		3.00	30	
1,3-Dichlorobenzene	52.8		"	50.0		106	84-124		0.151	30	
1,4-Dichlorobenzene	52.1		"	50.0		104	84-124		1.43	30	
1,4-Dioxane	1240		"	1050		119	10-228		9.57	30	
2-Butanone	46.3		"	50.0		92.6	58-147		1.35	30	
2-Hexanone	45.8		"	50.0		91.5	70-139		4.19	30	
4-Methyl-2-pentanone	44.1		"	50.0		88.3	72-132		4.11	30	
Acetone	33.5		"	50.0		66.9	36-155		6.06	30	
Acrolein	49.0		"	50.0		98.1	10-238		7.02	30	
Acrylonitrile	44.7		"	50.0		89.3	66-141		3.97	30	
Benzene	51.1		"	50.0		102	77-127		1.17	30	
Bromochloromethane	43.0		"	50.0		86.1	74-129		1.38	30	
Bromodichloromethane	50.9		"	50.0		102	81-124		2.35	30	
Bromoform	51.5		"	50.0		103	80-136		1.96	30	
Bromomethane	52.7		"	50.0		105	32-177		3.69	30	
Carbon disulfide	51.9		"	50.0		104	10-136		1.70	30	
Carbon tetrachloride	51.4		"	50.0		103	66-143		1.95	30	
Chlorobenzene	52.8		"	50.0		106	86-120		0.962	30	
Chloroethane	51.4		"	50.0		103	51-142		3.16	30	
Chloroform	47.9		"	50.0		95.8	76-131		0.209	30	
Chloromethane	51.1		"	50.0		102	49-132		4.39	30	
cis-1,2-Dichloroethylene	45.4		"	50.0		90.8	74-132		1.70	30	
cis-1,3-Dichloropropylene	51.4		"	50.0		103	81-129		1.72	30	
Cyclohexane	45.1		"	50.0		90.1	70-130		5.10	30	
Dibromochloromethane	54.7		"	50.0		109	10-200		0.328	30	
Dibromomethane	51.5		"	50.0		103	83-124		0.908	30	
Dichlorodifluoromethane	53.3		"	50.0		107	28-158		4.62	30	
Ethyl Benzene	52.2		"	50.0		104	84-125		3.03	30	
Hexachlorobutadiene	53.1		"	50.0		106	83-133		1.18	30	
Isopropylbenzene	54.3		"	50.0		109	81-127		4.00	30	
Methyl acetate	41.4		"	50.0		82.7	41-143		2.93	30	
Methyl tert-butyl ether (MTBE)	48.8		"	50.0		97.5	74-131		3.36	30	
Methylcyclohexane	53.2		"	50.0		106	70-130		6.33	30	
Methylene chloride	43.6		"	50.0		87.2	57-141		1.91	30	
n-Butylbenzene	50.0		"	50.0		99.9	80-130		3.05	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10473 - EPA 5035A

LCS Dup (BC10473-BSD1)	LCS Dup	Prepared & Analyzed: 03/09/2021									
n-Propylbenzene	52.1		ug/L	50.0		104	74-136		4.56	30	
o-Xylene	51.0		"	50.0		102	83-123		2.25	30	
p- & m- Xylenes	105		"	100		105	82-128		2.58	30	
p-Isopropyltoluene	56.1		"	50.0		112	85-125		3.45	30	
sec-Butylbenzene	57.5		"	50.0		115	83-125		4.37	30	
Styrene	54.5		"	50.0		109	86-126		0.786	30	
tert-Butyl alcohol (TBA)	270		"	250		108	70-130		2.45	30	
tert-Butylbenzene	49.1		"	50.0		98.1	80-127		4.09	30	
Tetrachloroethylene	47.4		"	50.0		94.7	80-129		1.53	30	
Toluene	50.8		"	50.0		102	85-121		2.87	30	
trans-1,2-Dichloroethylene	48.5		"	50.0		97.0	72-132		1.64	30	
trans-1,3-Dichloropropylene	51.8		"	50.0		104	78-132		0.826	30	
Trichloroethylene	54.3		"	50.0		109	84-123		4.89	30	
Trichlorofluoromethane	51.4		"	50.0		103	62-140		2.95	30	
Vinyl Chloride	55.3		"	50.0		111	52-130		5.04	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	46.3		"	50.0		92.6	77-125				
Surrogate: SURR: Toluene-d8	53.4		"	50.0		107	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.2		"	50.0		96.4	76-130				

Batch BC10604 - EPA 5035A

Blank (BC10604-BLK1)	Blank	Prepared & Analyzed: 03/10/2021									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0048	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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 BC10604 - EPA 5035A

Blank (BC10604-BLK1)	Blank	Prepared & Analyzed: 03/10/2021									
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	46.5		ug/L	50.0		93.0	77-125				
Surrogate: SURR: Toluene-d8	50.1		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.8		"	50.0		104	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10604 - EPA 5035A											
Blank (BC10604-BLK2)	Blank								Prepared & Analyzed: 03/10/2021		
1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	"								
1,2,3-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	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	0.57	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	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	"								
Cyclohexane	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 acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10604 - EPA 5035A

Blank (BC10604-BLK2)	Blank		Prepared & Analyzed: 03/10/2021								
n-Propylbenzene	ND	0.50	mg/kg wet								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	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: SURR: 1,2-Dichloroethane-d4	45.9		ug/L	50.0		91.7	77-125				
Surrogate: SURR: Toluene-d8	49.7		"	50.0		99.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.1		"	50.0		98.2	76-130				

LCS (BC10604-BS1)	LCS		Prepared & Analyzed: 03/10/2021								
1,1,1,2-Tetrachloroethane	51.5		ug/L	50.0		103	75-129				
1,1,1-Trichloroethane	54.4		"	50.0		109	71-137				
1,1,2,2-Tetrachloroethane	54.2		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46.3		"	50.0		92.6	58-146				
1,1,2-Trichloroethane	52.6		"	50.0		105	83-123				
1,1-Dichloroethane	49.2		"	50.0		98.3	75-130				
1,1-Dichloroethylene	41.5		"	50.0		83.0	64-137				
1,2,3-Trichlorobenzene	65.3		"	50.0		131	81-140				
1,2,3-Trichloropropane	54.9		"	50.0		110	81-126				
1,2,4-Trichlorobenzene	66.3		"	50.0		133	80-141				
1,2,4-Trimethylbenzene	55.6		"	50.0		111	84-125				
1,2-Dibromo-3-chloropropane	51.7		"	50.0		103	74-142				
1,2-Dibromoethane	55.2		"	50.0		110	86-123				
1,2-Dichlorobenzene	57.6		"	50.0		115	85-122				
1,2-Dichloroethane	47.8		"	50.0		95.6	71-133				
1,2-Dichloropropane	50.5		"	50.0		101	81-122				
1,3,5-Trimethylbenzene	58.4		"	50.0		117	82-126				
1,3-Dichlorobenzene	58.1		"	50.0		116	84-124				
1,4-Dichlorobenzene	59.1		"	50.0		118	84-124				
1,4-Dioxane	1410		"	1050		134	10-228				
2-Butanone	47.9		"	50.0		95.8	58-147				
2-Hexanone	46.9		"	50.0		93.7	70-139				
4-Methyl-2-pentanone	45.1		"	50.0		90.3	72-132				
Acetone	33.0		"	50.0		65.9	36-155				
Acrolein	48.6		"	50.0		97.1	10-238				
Acrylonitrile	53.8		"	50.0		108	66-141				
Benzene	52.9		"	50.0		106	77-127				
Bromochloromethane	43.9		"	50.0		87.7	74-129				
Bromodichloromethane	48.6		"	50.0		97.3	81-124				
Bromoform	56.3		"	50.0		113	80-136				



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 BC10604 - EPA 5035A											
LCS (BC10604-BS1)	LCS		Prepared & Analyzed: 03/10/2021								
Bromomethane	49.8		ug/L	50.0		99.5	32-177				
Carbon disulfide	56.3		"	50.0		113	10-136				
Carbon tetrachloride	57.5		"	50.0		115	66-143				
Chlorobenzene	54.6		"	50.0		109	86-120				
Chloroethane	38.9		"	50.0		77.8	51-142				
Chloroform	53.6		"	50.0		107	76-131				
Chloromethane	38.6		"	50.0		77.2	49-132				
cis-1,2-Dichloroethylene	51.2		"	50.0		102	74-132				
cis-1,3-Dichloropropylene	47.8		"	50.0		95.5	81-129				
Cyclohexane	47.8		"	50.0		95.5	70-130				
Dibromochloromethane	52.8		"	50.0		106	10-200				
Dibromomethane	50.8		"	50.0		102	83-124				
Dichlorodifluoromethane	45.6		"	50.0		91.2	28-158				
Ethyl Benzene	54.0		"	50.0		108	84-125				
Hexachlorobutadiene	79.2		"	50.0		158	83-133	High Bias			
Isopropylbenzene	57.7		"	50.0		115	81-127				
Methyl acetate	40.9		"	50.0		81.9	41-143				
Methyl tert-butyl ether (MTBE)	50.9		"	50.0		102	74-131				
Methylcyclohexane	52.6		"	50.0		105	70-130				
Methylene chloride	46.4		"	50.0		92.7	57-141				
n-Butylbenzene	58.5		"	50.0		117	80-130				
n-Propylbenzene	56.5		"	50.0		113	74-136				
o-Xylene	53.6		"	50.0		107	83-123				
p- & m- Xylenes	113		"	100		113	82-128				
p-Isopropyltoluene	60.9		"	50.0		122	85-125				
sec-Butylbenzene	62.2		"	50.0		124	83-125				
Styrene	54.8		"	50.0		110	86-126				
tert-Butyl alcohol (TBA)	277		"	250		111	70-130				
tert-Butylbenzene	59.8		"	50.0		120	80-127				
Tetrachloroethylene	61.4		"	50.0		123	80-129				
Toluene	54.0		"	50.0		108	85-121				
trans-1,2-Dichloroethylene	53.4		"	50.0		107	72-132				
trans-1,3-Dichloropropylene	47.2		"	50.0		94.3	78-132				
Trichloroethylene	57.5		"	50.0		115	84-123				
Trichlorofluoromethane	41.9		"	50.0		83.8	62-140				
Vinyl Chloride	41.0		"	50.0		81.9	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	46.6		"	50.0		93.3	77-125				
Surrogate: SURR: Toluene-d8	49.8		"	50.0		99.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.4	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10604 - EPA 5035A											
LCS Dup (BC10604-BSD1)	LCS Dup			Prepared & Analyzed: 03/10/2021							
1,1,1,2-Tetrachloroethane	51.0		ug/L	50.0		102	75-129		0.878	30	
1,1,1-Trichloroethane	53.6		"	50.0		107	71-137		1.39	30	
1,1,2,2-Tetrachloroethane	53.7		"	50.0		107	79-129		0.890	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.4		"	50.0		88.8	58-146		4.12	30	
1,1,2-Trichloroethane	52.6		"	50.0		105	83-123		0.0570	30	
1,1-Dichloroethane	48.2		"	50.0		96.5	75-130		1.89	30	
1,1-Dichloroethylene	40.3		"	50.0		80.6	64-137		3.03	30	
1,2,3-Trichlorobenzene	65.2		"	50.0		130	81-140		0.291	30	
1,2,3-Trichloropropane	55.2		"	50.0		110	81-126		0.527	30	
1,2,4-Trichlorobenzene	65.8		"	50.0		132	80-141		0.651	30	
1,2,4-Trimethylbenzene	54.3		"	50.0		109	84-125		2.31	30	
1,2-Dibromo-3-chloropropane	50.9		"	50.0		102	74-142		1.48	30	
1,2-Dibromoethane	55.0		"	50.0		110	86-123		0.327	30	
1,2-Dichlorobenzene	56.9		"	50.0		114	85-122		1.15	30	
1,2-Dichloroethane	47.0		"	50.0		94.0	71-133		1.65	30	
1,2-Dichloropropane	49.6		"	50.0		99.1	81-122		1.84	30	
1,3,5-Trimethylbenzene	56.5		"	50.0		113	82-126		3.26	30	
1,3-Dichlorobenzene	56.7		"	50.0		113	84-124		2.49	30	
1,4-Dichlorobenzene	58.2		"	50.0		116	84-124		1.57	30	
1,4-Dioxane	1390		"	1050		132	10-228		1.39	30	
2-Butanone	50.5		"	50.0		101	58-147		5.32	30	
2-Hexanone	47.3		"	50.0		94.5	70-139		0.850	30	
4-Methyl-2-pentanone	45.4		"	50.0		90.8	72-132		0.618	30	
Acetone	34.2		"	50.0		68.4	36-155		3.69	30	
Acrolein	48.5		"	50.0		96.9	10-238		0.206	30	
Acrylonitrile	53.4		"	50.0		107	66-141		0.840	30	
Benzene	52.0		"	50.0		104	77-127		1.70	30	
Bromochloromethane	43.5		"	50.0		87.1	74-129		0.732	30	
Bromodichloromethane	48.1		"	50.0		96.2	81-124		1.07	30	
Bromoform	57.1		"	50.0		114	80-136		1.32	30	
Bromomethane	47.2		"	50.0		94.4	32-177		5.34	30	
Carbon disulfide	54.7		"	50.0		109	10-136		2.90	30	
Carbon tetrachloride	57.3		"	50.0		115	66-143		0.279	30	
Chlorobenzene	54.2		"	50.0		108	86-120		0.698	30	
Chloroethane	37.5		"	50.0		75.1	51-142		3.56	30	
Chloroform	52.8		"	50.0		106	76-131		1.52	30	
Chloromethane	37.3		"	50.0		74.6	49-132		3.48	30	
cis-1,2-Dichloroethylene	51.0		"	50.0		102	74-132		0.548	30	
cis-1,3-Dichloropropylene	46.9		"	50.0		93.8	81-129		1.75	30	
Cyclohexane	46.6		"	50.0		93.3	70-130		2.35	30	
Dibromochloromethane	52.8		"	50.0		106	10-200		0.114	30	
Dibromomethane	50.2		"	50.0		100	83-124		1.25	30	
Dichlorodifluoromethane	43.9		"	50.0		87.9	28-158		3.69	30	
Ethyl Benzene	53.1		"	50.0		106	84-125		1.83	30	
Hexachlorobutadiene	77.3		"	50.0		155	83-133	High Bias	2.44	30	
Isopropylbenzene	56.0		"	50.0		112	81-127		2.97	30	
Methyl acetate	40.8		"	50.0		81.6	41-143		0.318	30	
Methyl tert-butyl ether (MTBE)	51.2		"	50.0		102	74-131		0.529	30	
Methylcyclohexane	50.6		"	50.0		101	70-130		3.97	30	
Methylene chloride	45.7		"	50.0		91.4	57-141		1.43	30	
n-Butylbenzene	57.7		"	50.0		115	80-130		1.41	30	



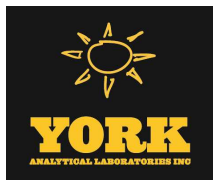
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10604 - EPA 5035A											
LCS Dup (BC10604-BSD1)	LCS Dup		Prepared & Analyzed: 03/10/2021								
n-Propylbenzene	54.4		ug/L	50.0		109	74-136		3.75	30	
o-Xylene	52.4		"	50.0		105	83-123		2.25	30	
p- & m- Xylenes	111		"	100		111	82-128		1.98	30	
p-Isopropyltoluene	59.1		"	50.0		118	85-125		3.03	30	
sec-Butylbenzene	60.2		"	50.0		120	83-125		3.35	30	
Styrene	53.8		"	50.0		108	86-126		1.79	30	
tert-Butyl alcohol (TBA)	283		"	250		113	70-130		2.26	30	
tert-Butylbenzene	57.8		"	50.0		116	80-127		3.42	30	
Tetrachloroethylene	60.4		"	50.0		121	80-129		1.69	30	
Toluene	52.8		"	50.0		106	85-121		2.28	30	
trans-1,2-Dichloroethylene	52.5		"	50.0		105	72-132		1.79	30	
trans-1,3-Dichloropropylene	46.8		"	50.0		93.7	78-132		0.660	30	
Trichloroethylene	56.8		"	50.0		114	84-123		1.28	30	
Trichlorofluoromethane	40.7		"	50.0		81.4	62-140		2.95	30	
Vinyl Chloride	39.2		"	50.0		78.4	52-130		4.34	30	
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>											
	47.0		"	50.0		94.0	77-125				
<i>Surrogate: SURR: Toluene-d8</i>											
	50.2		"	50.0		100	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>											
	48.8		"	50.0		97.6	76-130				

Batch BC10678 - EPA 5035A

Blank (BC10678-BLK1)	Blank		Prepared: 03/11/2021 Analyzed: 03/12/2021								
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0054	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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 BC10678 - EPA 5035A

Blank (BC10678-BLK1) Blank		Prepared: 03/11/2021 Analyzed: 03/12/2021									
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	47.5		ug/L	50.0		95.1	77-125				
Surrogate: SURR: Toluene-d8	50.2		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.4		"	50.0		103	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10678 - EPA 5035A											
LCS (BC10678-BS1)	LCS		Prepared: 03/11/2021 Analyzed: 03/12/2021								
1,1,1,2-Tetrachloroethane	45.6		ug/L	50.0		91.2	75-129				
1,1,1-Trichloroethane	45.8		"	50.0		91.5	71-137				
1,1,2,2-Tetrachloroethane	44.6		"	50.0		89.3	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	41.4		"	50.0		82.9	58-146				
1,1,2-Trichloroethane	46.1		"	50.0		92.2	83-123				
1,1-Dichloroethane	41.3		"	50.0		82.6	75-130				
1,1-Dichloroethylene	37.0		"	50.0		74.1	64-137				
1,2,3-Trichlorobenzene	54.4		"	50.0		109	81-140				
1,2,3-Trichloropropane	47.6		"	50.0		95.2	81-126				
1,2,4-Trichlorobenzene	53.5		"	50.0		107	80-141				
1,2,4-Trimethylbenzene	45.2		"	50.0		90.4	84-125				
1,2-Dibromo-3-chloropropane	44.2		"	50.0		88.5	74-142				
1,2-Dibromoethane	48.7		"	50.0		97.4	86-123				
1,2-Dichlorobenzene	47.5		"	50.0		94.9	85-122				
1,2-Dichloroethane	41.4		"	50.0		82.9	71-133				
1,2-Dichloropropane	43.3		"	50.0		86.6	81-122				
1,3,5-Trimethylbenzene	46.9		"	50.0		93.8	82-126				
1,3-Dichlorobenzene	46.9		"	50.0		93.9	84-124				
1,4-Dichlorobenzene	48.0		"	50.0		96.0	84-124				
1,4-Dioxane	1180		"	1050		112	10-228				
2-Butanone	41.9		"	50.0		83.8	58-147				
2-Hexanone	38.3		"	50.0		76.5	70-139				
4-Methyl-2-pentanone	37.9		"	50.0		75.8	72-132				
Acetone	31.1		"	50.0		62.2	36-155				
Acrolein	31.1		"	50.0		62.3	10-238				
Acrylonitrile	46.1		"	50.0		92.1	66-141				
Benzene	44.4		"	50.0		88.9	77-127				
Bromochloromethane	38.5		"	50.0		77.0	74-129				
Bromodichloromethane	42.4		"	50.0		84.8	81-124				
Bromoform	50.6		"	50.0		101	80-136				
Bromomethane	42.3		"	50.0		84.7	32-177				
Carbon disulfide	48.3		"	50.0		96.6	10-136				
Carbon tetrachloride	49.3		"	50.0		98.6	66-143				
Chlorobenzene	46.1		"	50.0		92.2	86-120				
Chloroethane	40.8		"	50.0		81.5	51-142				
Chloroform	44.8		"	50.0		89.7	76-131				
Chloromethane	34.1		"	50.0		68.1	49-132				
cis-1,2-Dichloroethylene	43.0		"	50.0		86.1	74-132				
cis-1,3-Dichloropropylene	40.7		"	50.0		81.4	81-129				
Cyclohexane	40.4		"	50.0		80.8	70-130				
Dibromochloromethane	46.5		"	50.0		93.0	10-200				
Dibromomethane	44.7		"	50.0		89.3	83-124				
Dichlorodifluoromethane	51.9		"	50.0		104	28-158				
Ethyl Benzene	44.8		"	50.0		89.7	84-125				
Hexachlorobutadiene	61.2		"	50.0		122	83-133				
Isopropylbenzene	46.2		"	50.0		92.3	81-127				
Methyl acetate	36.4		"	50.0		72.9	41-143				
Methyl tert-butyl ether (MTBE)	45.0		"	50.0		90.0	74-131				
Methylcyclohexane	44.1		"	50.0		88.2	70-130				
Methylene chloride	37.7		"	50.0		75.4	57-141				
n-Butylbenzene	45.6		"	50.0		91.2	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10678 - EPA 5035A											
LCS (BC10678-BS1)	LCS		Prepared: 03/11/2021 Analyzed: 03/12/2021								
n-Propylbenzene	45.1		ug/L	50.0		90.1	74-136				
o-Xylene	44.6		"	50.0		89.3	83-123				
p- & m- Xylenes	92.6		"	100		92.6	82-128				
p-Isopropyltoluene	48.1		"	50.0		96.2	85-125				
sec-Butylbenzene	49.2		"	50.0		98.4	83-125				
Styrene	46.0		"	50.0		91.9	86-126				
tert-Butyl alcohol (TBA)	266		"	250		107	70-130				
tert-Butylbenzene	47.3		"	50.0		94.6	80-127				
Tetrachloroethylene	50.1		"	50.0		100	80-129				
Toluene	45.3		"	50.0		90.6	85-121				
trans-1,2-Dichloroethylene	44.9		"	50.0		89.8	72-132				
trans-1,3-Dichloropropylene	40.6		"	50.0		81.2	78-132				
Trichloroethylene	48.8		"	50.0		97.7	84-123				
Trichlorofluoromethane	36.7		"	50.0		73.4	62-140				
Vinyl Chloride	37.8		"	50.0		75.6	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	47.1		"	50.0		94.1	77-125				
Surrogate: SURR: Toluene-d8	50.1		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.4		"	50.0		96.7	76-130				
LCS Dup (BC10678-BS1)	LCS Dup		Prepared: 03/11/2021 Analyzed: 03/12/2021								
1,1,1,2-Tetrachloroethane	49.0		ug/L	50.0		97.9	75-129		7.06	30	
1,1,1-Trichloroethane	49.2		"	50.0		98.3	71-137		7.18	30	
1,1,2,2-Tetrachloroethane	48.7		"	50.0		97.4	79-129		8.74	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	44.3		"	50.0		88.6	58-146		6.72	30	
1,1,2-Trichloroethane	50.0		"	50.0		100	83-123		8.05	30	
1,1-Dichloroethane	45.6		"	50.0		91.2	75-130		9.97	30	
1,1-Dichloroethylene	39.0		"	50.0		77.9	64-137		5.03	30	
1,2,3-Trichlorobenzene	56.0		"	50.0		112	81-140		3.04	30	
1,2,3-Trichloropropane	50.1		"	50.0		100	81-126		5.04	30	
1,2,4-Trichlorobenzene	52.7		"	50.0		105	80-141		1.45	30	
1,2,4-Trimethylbenzene	47.4		"	50.0		94.7	84-125		4.62	30	
1,2-Dibromo-3-chloropropane	46.3		"	50.0		92.6	74-142		4.57	30	
1,2-Dibromoethane	52.3		"	50.0		105	86-123		7.11	30	
1,2-Dichlorobenzene	50.4		"	50.0		101	85-122		5.99	30	
1,2-Dichloroethane	45.0		"	50.0		90.1	71-133		8.33	30	
1,2-Dichloropropane	46.3		"	50.0		92.6	81-122		6.72	30	
1,3,5-Trimethylbenzene	49.4		"	50.0		98.8	82-126		5.19	30	
1,3-Dichlorobenzene	48.4		"	50.0		96.8	84-124		3.02	30	
1,4-Dichlorobenzene	49.9		"	50.0		99.9	84-124		4.00	30	
1,4-Dioxane	1210		"	1050		115	10-228		2.81	30	
2-Butanone	43.0		"	50.0		85.9	58-147		2.47	30	
2-Hexanone	40.9		"	50.0		81.8	70-139		6.62	30	
4-Methyl-2-pentanone	39.8		"	50.0		79.6	72-132		4.89	30	
Acetone	30.4		"	50.0		60.8	36-155		2.24	30	
Acrolein	33.7		"	50.0		67.5	10-238		8.01	30	
Acrylonitrile	48.6		"	50.0		97.2	66-141		5.39	30	
Benzene	48.2		"	50.0		96.4	77-127		8.14	30	
Bromochloromethane	41.8		"	50.0		83.7	74-129		8.31	30	
Bromodichloromethane	46.2		"	50.0		92.4	81-124		8.53	30	
Bromoform	55.5		"	50.0		111	80-136		9.20	30	
Bromomethane	45.4		"	50.0		90.8	32-177		6.98	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10678 - EPA 5035A											
LCS Dup (BC10678-BSD1)	LCS Dup		Prepared: 03/11/2021 Analyzed: 03/12/2021								
Carbon disulfide	52.8		ug/L	50.0		106	10-136		8.79	30	
Carbon tetrachloride	53.6		"	50.0		107	66-143		8.32	30	
Chlorobenzene	49.0		"	50.0		98.0	86-120		6.12	30	
Chloroethane	45.3		"	50.0		90.6	51-142		10.5	30	
Chloroform	49.0		"	50.0		97.9	76-131		8.81	30	
Chloromethane	36.1		"	50.0		72.2	49-132		5.79	30	
cis-1,2-Dichloroethylene	47.0		"	50.0		94.0	74-132		8.82	30	
cis-1,3-Dichloropropylene	44.0		"	50.0		88.0	81-129		7.72	30	
Cyclohexane	43.8		"	50.0		87.7	70-130		8.24	30	
Dibromochloromethane	50.2		"	50.0		100	10-200		7.75	30	
Dibromomethane	47.7		"	50.0		95.3	83-124		6.52	30	
Dichlorodifluoromethane	55.2		"	50.0		110	28-158		6.13	30	
Ethyl Benzene	47.7		"	50.0		95.4	84-125		6.22	30	
Hexachlorobutadiene	64.8		"	50.0		130	83-133		5.71	30	
Isopropylbenzene	48.9		"	50.0		97.8	81-127		5.83	30	
Methyl acetate	39.0		"	50.0		77.9	41-143		6.68	30	
Methyl tert-butyl ether (MTBE)	49.9		"	50.0		99.8	74-131		10.4	30	
Methylcyclohexane	46.7		"	50.0		93.3	70-130		5.64	30	
Methylene chloride	43.5		"	50.0		87.1	57-141		14.4	30	
n-Butylbenzene	45.5		"	50.0		90.9	80-130		0.264	30	
n-Propylbenzene	47.4		"	50.0		94.7	74-136		4.93	30	
o-Xylene	47.8		"	50.0		95.7	83-123		6.94	30	
p- & m- Xylenes	98.8		"	100		98.8	82-128		6.41	30	
p-Isopropyltoluene	50.4		"	50.0		101	85-125		4.57	30	
sec-Butylbenzene	52.0		"	50.0		104	83-125		5.48	30	
Styrene	48.9		"	50.0		97.7	86-126		6.14	30	
tert-Butyl alcohol (TBA)	252		"	250		101	70-130		5.57	30	
tert-Butylbenzene	50.6		"	50.0		101	80-127		6.72	30	
Tetrachloroethylene	52.1		"	50.0		104	80-129		3.95	30	
Toluene	48.1		"	50.0		96.2	85-121		6.04	30	
trans-1,2-Dichloroethylene	48.2		"	50.0		96.5	72-132		7.24	30	
trans-1,3-Dichloropropylene	44.0		"	50.0		88.1	78-132		8.13	30	
Trichloroethylene	51.7		"	50.0		103	84-123		5.63	30	
Trichlorofluoromethane	39.1		"	50.0		78.3	62-140		6.35	30	
Vinyl Chloride	40.2		"	50.0		80.4	52-130		6.18	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	47.3		"	50.0		94.5	77-125				
Surrogate: SURR: Toluene-d8	50.3		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.9		"	50.0		95.8	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10678 - EPA 5035A											
Matrix Spike (BC10678-MS1)						*Source sample: 21C0344-02 (SB03 0-0.5)					
Matrix Spike						Prepared: 03/11/2021 Analyzed: 03/12/2021					
1,1,1,2-Tetrachloroethane	29.4		ug/L	50.0	0.00	58.8	15-161				
1,1,1-Trichloroethane	32.7		"	50.0	0.00	65.5	42-145				
1,1,2,2-Tetrachloroethane	27.2		"	50.0	0.00	54.3	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	27.2		"	50.0	0.00	54.5	11-160				
1,1,2-Trichloroethane	34.9		"	50.0	0.00	69.8	44-145				
1,1-Dichloroethane	32.7		"	50.0	0.00	65.4	46-142				
1,1-Dichloroethylene	30.2		"	50.0	0.00	60.5	30-153				
1,2,3-Trichlorobenzene	9.42		"	50.0	0.00	18.8	10-157				
1,2,3-Trichloropropane	33.8		"	50.0	0.00	67.7	38-155				
1,2,4-Trichlorobenzene	9.16		"	50.0	0.00	18.3	10-151				
1,2,4-Trimethylbenzene	17.0		"	50.0	0.00	34.0	10-170				
1,2-Dibromo-3-chloropropane	23.4		"	50.0	0.00	46.8	36-138				
1,2-Dibromoethane	33.6		"	50.0	0.00	67.1	40-142				
1,2-Dichlorobenzene	18.1		"	50.0	0.00	36.1	10-147				
1,2-Dichloroethane	33.6		"	50.0	0.00	67.1	48-133				
1,2-Dichloropropane	32.6		"	50.0	0.00	65.2	47-141				
1,3,5-Trimethylbenzene	17.9		"	50.0	0.00	35.9	10-150				
1,3-Dichlorobenzene	16.2		"	50.0	0.00	32.4	10-144				
1,4-Dichlorobenzene	16.9		"	50.0	0.00	33.7	10-160				
1,4-Dioxane	967		"	1050	0.00	92.1	10-191				
2-Butanone	24.1		"	50.0	4.82	38.5	10-189				
2-Hexanone	13.0		"	50.0	0.00	26.1	10-181				
4-Methyl-2-pentanone	21.7		"	50.0	0.00	43.3	10-166				
Acetone	17.0		"	50.0	0.00	34.1	10-196				
Acrolein	0.00		"	50.0	0.00		10-192	Low Bias			
Acrylonitrile	27.0		"	50.0	0.00	54.1	13-161				
Benzene	33.8		"	50.0	0.00	67.7	43-139				
Bromochloromethane	31.1		"	50.0	0.00	62.2	38-145				
Bromodichloromethane	30.9		"	50.0	0.00	61.8	38-147				
Bromoform	33.1		"	50.0	0.00	66.3	29-156				
Bromomethane	30.6		"	50.0	0.00	61.3	10-166				
Carbon disulfide	31.3		"	50.0	0.00	62.6	10-131				
Carbon tetrachloride	31.9		"	50.0	0.00	63.8	35-145				
Chlorobenzene	26.3		"	50.0	0.00	52.7	21-154				
Chloroethane	41.7		"	50.0	0.00	83.3	15-160				
Chloroform	35.1		"	50.0	0.00	70.2	47-142				
Chloromethane	29.2		"	50.0	0.00	58.4	10-159				
cis-1,2-Dichloroethylene	31.5		"	50.0	0.00	63.0	42-144				
cis-1,3-Dichloropropylene	25.2		"	50.0	0.00	50.3	18-159				
Cyclohexane	21.3		"	50.0	0.00	42.6	70-130	Low Bias			
Dibromochloromethane	32.5		"	50.0	0.00	65.0	10-179				
Dibromomethane	33.7		"	50.0	0.00	67.5	47-143				
Dichlorodifluoromethane	35.4		"	50.0	0.00	70.8	10-145				
Ethyl Benzene	23.5		"	50.0	0.00	47.0	11-158				
Hexachlorobutadiene	6.12		"	50.0	0.00	12.2	10-158				
Isopropylbenzene	20.9		"	50.0	0.00	41.9	10-162				
Methyl acetate	12.1		"	50.0	0.00	24.2	10-149				
Methyl tert-butyl ether (MTBE)	37.2		"	50.0	0.00	74.3	42-152				
Methylcyclohexane	15.0		"	50.0	0.00	29.9	70-130	Low Bias			
Methylene chloride	33.3		"	50.0	0.00	66.6	28-151				
n-Butylbenzene	9.98		"	50.0	0.00	20.0	10-162				



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 BC10678 - EPA 5035A

Matrix Spike (BC10678-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03 0-0.5)					Prepared: 03/11/2021 Analyzed: 03/12/2021				
n-Propylbenzene	17.2		ug/L	50.0	0.00	34.5	10-155				
o-Xylene	23.8		"	50.0	0.00	47.5	10-158				
p- & m- Xylenes	46.2		"	100	0.00	46.2	10-156				
p-Isopropyltoluene	13.2		"	50.0	0.00	26.5	10-147				
sec-Butylbenzene	14.4		"	50.0	0.00	28.8	10-157				
Styrene	23.6		"	50.0	0.00	47.2	13-171				
tert-Butyl alcohol (TBA)	157		"	250	0.00	62.8	34-179				
tert-Butylbenzene	17.3		"	50.0	0.00	34.7	10-160				
Tetrachloroethylene	24.3		"	50.0	0.00	48.6	30-167				
Toluene	28.8		"	50.0	0.00	57.5	21-160				
trans-1,2-Dichloroethylene	31.8		"	50.0	0.00	63.5	29-153				
trans-1,3-Dichloropropylene	23.7		"	50.0	0.00	47.4	18-155				
Trichloroethylene	33.1		"	50.0	0.00	66.1	24-169				
Trichlorofluoromethane	30.0		"	50.0	0.00	60.0	35-142				
Vinyl Chloride	31.8		"	50.0	0.00	63.6	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.7		"	50.0		101	77-125				
Surrogate: SURR: Toluene-d8	50.5		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.4		"	50.0		98.9	76-130				

Matrix Spike Dup (BC10678-1)	Matrix Spike Dup	*Source sample: 21C0344-02 (SB03 0-0.5)					Prepared: 03/11/2021 Analyzed: 03/12/2021				
1,1,1,2-Tetrachloroethane	29.2		ug/L	50.0	0.00	58.4	15-161	0.580		33	
1,1,1-Trichloroethane	32.4		"	50.0	0.00	64.9	42-145	0.859		30	
1,1,2,2-Tetrachloroethane	26.2		"	50.0	0.00	52.3	16-167	3.79		56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	26.4		"	50.0	0.00	52.9	11-160	2.94		31	
1,1,2-Trichloroethane	33.5		"	50.0	0.00	67.1	44-145	4.06		40	
1,1-Dichloroethane	32.4		"	50.0	0.00	64.7	46-142	0.984		36	
1,1-Dichloroethylene	29.3		"	50.0	0.00	58.6	30-153	3.19		31	
1,2,3-Trichlorobenzene	8.26		"	50.0	0.00	16.5	10-157	13.1		47	
1,2,3-Trichloropropane	32.2		"	50.0	0.00	64.4	38-155	4.94		48	
1,2,4-Trichlorobenzene	7.81		"	50.0	0.00	15.6	10-151	15.9		52	
1,2,4-Trimethylbenzene	15.5		"	50.0	0.00	31.0	10-170	9.35		242	
1,2-Dibromo-3-chloropropane	22.8		"	50.0	0.00	45.5	36-138	2.77		54	
1,2-Dibromoethane	32.5		"	50.0	0.00	64.9	40-142	3.27		39	
1,2-Dichlorobenzene	16.8		"	50.0	0.00	33.6	10-147	7.29		52	
1,2-Dichloroethane	31.7		"	50.0	0.00	63.4	48-133	5.73		32	
1,2-Dichloropropane	32.4		"	50.0	0.00	64.7	47-141	0.708		37	
1,3,5-Trimethylbenzene	17.0		"	50.0	0.00	34.0	10-150	5.26		62	
1,3-Dichlorobenzene	14.9		"	50.0	0.00	29.8	10-144	8.43		51	
1,4-Dichlorobenzene	15.5		"	50.0	0.00	30.9	10-160	8.66		52	
1,4-Dioxane	932		"	1050	0.00	88.8	10-191	3.63		196	
2-Butanone	22.3		"	50.0	4.82	35.0	10-189	7.55		67	
2-Hexanone	12.1		"	50.0	0.00	24.1	10-181	7.73		60	
4-Methyl-2-pentanone	21.2		"	50.0	0.00	42.4	10-166	2.15		47	
Acetone	16.6		"	50.0	0.00	33.3	10-196	2.32		150	
Acrolein	0.00		"	50.0	0.00		10-192		Low Bias		128
Acrylonitrile	25.7		"	50.0	0.00	51.5	13-161	4.93		48	
Benzene	33.0		"	50.0	0.00	65.9	43-139	2.66		64	
Bromochloromethane	29.7		"	50.0	0.00	59.4	38-145	4.74		30	
Bromodichloromethane	30.6		"	50.0	0.00	61.3	38-147	0.813		37	
Bromoform	32.8		"	50.0	0.00	65.6	29-156	1.06		51	
Bromomethane	31.5		"	50.0	0.00	63.0	10-166	2.80		42	



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 BC10678 - EPA 5035A											
Matrix Spike Dup (BC10678-1)						Source sample: 21C0344-02 (SB03 0-0.5)					
						Prepared: 03/11/2021 Analyzed: 03/12/2021					
Carbon disulfide	30.3		ug/L	50.0	0.00	60.6	10-131		3.18	36	
Carbon tetrachloride	32.7		"	50.0	0.00	65.4	35-145		2.51	31	
Chlorobenzene	25.4		"	50.0	0.00	50.7	21-154		3.83	32	
Chloroethane	40.0		"	50.0	0.00	79.9	15-160		4.19	40	
Chloroform	34.4		"	50.0	0.00	68.9	47-142		1.90	29	
Chloromethane	28.3		"	50.0	0.00	56.6	10-159		3.13	31	
cis-1,2-Dichloroethylene	30.2		"	50.0	0.00	60.4	42-144		4.31	30	
cis-1,3-Dichloropropylene	24.2		"	50.0	0.00	48.4	18-159		3.85	39	
Cyclohexane	21.5		"	50.0	0.00	42.9	70-130	Low Bias	0.701	30	
Dibromochloromethane	32.3		"	50.0	0.00	64.5	10-179		0.741	41	
Dibromomethane	32.2		"	50.0	0.00	64.4	47-143		4.58	41	
Dichlorodifluoromethane	36.2		"	50.0	0.00	72.3	10-145		2.12	34	
Ethyl Benzene	23.1		"	50.0	0.00	46.2	11-158		1.85	42	
Hexachlorobutadiene	5.71		"	50.0	0.00	11.4	10-158		6.93	45	
Isopropylbenzene	20.3		"	50.0	0.00	40.7	10-162		2.96	57	
Methyl acetate	12.4		"	50.0	0.00	24.7	10-149		2.13	64	
Methyl tert-butyl ether (MTBE)	35.8		"	50.0	0.00	71.5	42-152		3.89	47	
Methylcyclohexane	15.5		"	50.0	0.00	31.0	70-130	Low Bias	3.48	30	
Methylene chloride	32.6		"	50.0	0.00	65.3	28-151		1.97	49	
n-Butylbenzene	9.04		"	50.0	0.00	18.1	10-162		9.88	96	
n-Propylbenzene	16.5		"	50.0	0.00	32.9	10-155		4.69	56	
o-Xylene	23.0		"	50.0	0.00	45.9	10-158		3.42	51	
p- & m- Xylenes	44.4		"	100	0.00	44.4	10-156		3.84	47	
p-Isopropyltoluene	12.4		"	50.0	0.00	24.8	10-147		6.40	60	
sec-Butylbenzene	13.8		"	50.0	0.00	27.6	10-157		4.11	56	
Styrene	22.3		"	50.0	0.00	44.6	13-171		5.75	39	
tert-Butyl alcohol (TBA)	169		"	250	0.00	67.7	34-179		7.49	35	
tert-Butylbenzene	16.7		"	50.0	0.00	33.5	10-160		3.52	79	
Tetrachloroethylene	23.6		"	50.0	0.00	47.3	30-167		2.67	33	
Toluene	28.3		"	50.0	0.00	56.6	21-160		1.54	50	
trans-1,2-Dichloroethylene	30.8		"	50.0	0.00	61.6	29-153		3.04	30	
trans-1,3-Dichloropropylene	23.1		"	50.0	0.00	46.1	18-155		2.78	30	
Trichloroethylene	23.9		"	50.0	0.00	65.9	24-169		0.394	30	
Trichlorofluoromethane	29.3		"	50.0	0.00	58.6	35-142		2.43	30	
Vinyl Chloride	30.5		"	50.0	0.00	61.1	12-160		4.04	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.9		"	50.0		99.7	77-125				
Surrogate: SURR: Toluene-d8	50.4		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.8		"	50.0		99.7	76-130				



Semivolatile 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 BC10572 - EPA 3546 SVOA

Blank (BC10572-BLK1)	Blank								Prepared & Analyzed: 03/10/2021		
1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	0.0220	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								



Semivolatile 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 BC10572 - EPA 3546 SVOA

Blank (BC10572-BLK1)	Blank										Prepared & Analyzed: 03/10/2021
Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	0.0210	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.26		"	1.67		75.7	20-108				
Surrogate: SURR: Phenol-d5	1.26		"	1.67		75.3	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.741		"	0.833		89.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.712		"	0.833		85.5	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.33		"	1.67		79.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.968		"	0.833		116	24-116				



Semivolatile 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 BC10572 - EPA 3546 SVOA											
LCS (BC10572-BS1)	LCS						Prepared & Analyzed: 03/10/2021				
1,1-Biphenyl	0.693	0.0417	mg/kg wet	0.833		83.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.698	0.0833	"	0.833		83.8	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.820	0.0417	"	0.833		98.4	17-137				
2,3,4,6-Tetrachlorophenol	0.820	0.0833	"	0.833		98.4	30-130				
2,4,5-Trichlorophenol	0.695	0.0417	"	0.833		83.4	27-118				
2,4,6-Trichlorophenol	0.698	0.0417	"	0.833		83.8	31-120				
2,4-Dichlorophenol	0.743	0.0417	"	0.833		89.1	20-127				
2,4-Dimethylphenol	0.709	0.0417	"	0.833		85.0	14-132				
2,4-Dinitrophenol	0.0780	0.0833	"	0.833		9.36	10-171	Low Bias			
2,4-Dinitrotoluene	0.785	0.0417	"	0.833		94.2	34-131				
2,6-Dinitrotoluene	0.774	0.0417	"	0.833		92.9	31-128				
2-Chloronaphthalene	0.663	0.0417	"	0.833		79.6	31-117				
2-Chlorophenol	0.618	0.0417	"	0.833		74.2	33-113				
2-Methylnaphthalene	0.729	0.0417	"	0.833		87.5	12-138				
2-Methylphenol	0.610	0.0417	"	0.833		73.2	10-136				
2-Nitroaniline	0.727	0.0833	"	0.833		87.2	27-132				
2-Nitrophenol	0.685	0.0417	"	0.833		82.2	17-129				
3- & 4-Methylphenols	0.586	0.0417	"	0.833		70.4	29-103				
3,3-Dichlorobenzidine	0.302	0.0417	"	0.833		36.3	22-149				
3-Nitroaniline	0.472	0.0833	"	0.833		56.7	20-133				
4,6-Dinitro-2-methylphenol	0.354	0.0833	"	0.833		42.4	10-143				
4-Bromophenyl phenyl ether	0.852	0.0417	"	0.833		102	29-120				
4-Chloro-3-methylphenol	0.776	0.0417	"	0.833		93.2	24-129				
4-Chloroaniline	0.231	0.0417	"	0.833		27.7	10-132				
4-Chlorophenyl phenyl ether	0.699	0.0417	"	0.833		83.8	27-124				
4-Nitroaniline	0.719	0.0833	"	0.833		86.2	16-128				
4-Nitrophenol	0.826	0.0833	"	0.833		99.1	10-141				
Acenaphthene	0.693	0.0417	"	0.833		83.1	30-121				
Acenaphthylene	0.695	0.0417	"	0.833		83.4	30-115				
Acetophenone	0.611	0.0417	"	0.833		73.3	20-112				
Aniline	0.206	0.167	"	0.833		24.7	10-119				
Anthracene	0.777	0.0417	"	0.833		93.2	34-118				
Atrazine	0.927	0.0417	"	0.833		111	26-112				
Benzaldehyde	0.611	0.0417	"	0.833		73.3	21-100				
Benzo(a)anthracene	0.825	0.0417	"	0.833		99.0	32-122				
Benzo(a)pyrene	0.697	0.0417	"	0.833		83.7	29-133				
Benzo(b)fluoranthene	0.762	0.0417	"	0.833		91.4	25-133				
Benzo(g,h,i)perylene	0.914	0.0417	"	0.833		110	10-143				
Benzo(k)fluoranthene	0.713	0.0417	"	0.833		85.6	25-128				
Benzoic acid	0.108	0.0417	"	0.833		13.0	10-140				
Benzyl alcohol	0.734	0.0417	"	0.833		88.1	30-115				
Benzyl butyl phthalate	0.867	0.0417	"	0.833		104	26-126				
Bis(2-chloroethoxy)methane	0.641	0.0417	"	0.833		77.0	19-132				
Bis(2-chloroethyl)ether	0.543	0.0417	"	0.833		65.2	19-125				
Bis(2-chloroisopropyl)ether	0.712	0.0417	"	0.833		85.4	20-135				
Bis(2-ethylhexyl)phthalate	0.880	0.0417	"	0.833		106	10-155				
Caprolactam	0.719	0.0833	"	0.833		86.3	10-127				
Carbazole	0.810	0.0417	"	0.833		97.2	35-123				
Chrysene	0.812	0.0417	"	0.833		97.5	32-123				
Dibenzo(a,h)anthracene	0.835	0.0417	"	0.833		100	10-136				
Dibenzofuran	0.669	0.0417	"	0.833		80.3	29-121				



Semivolatile 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 BC10572 - EPA 3546 SVOA

LCS (BC10572-BS1)	LCS	Prepared & Analyzed: 03/10/2021									
Diethyl phthalate	0.733	0.0417	mg/kg wet	0.833		87.9	34-116				
Dimethyl phthalate	0.679	0.0417	"	0.833		81.5	35-124				
Di-n-butyl phthalate	0.831	0.0417	"	0.833		99.7	31-116				
Di-n-octyl phthalate	0.882	0.0417	"	0.833		106	26-136				
Diphenylamine	0.946	0.0833	"	0.833		113	40-140				
Fluoranthene	0.814	0.0417	"	0.833		97.7	33-122				
Fluorene	0.683	0.0417	"	0.833		82.0	29-123				
Hexachlorobenzene	0.813	0.0417	"	0.833		97.6	21-124				
Hexachlorobutadiene	0.692	0.0417	"	0.833		83.0	10-149				
Hexachlorocyclopentadiene	0.523	0.0417	"	0.833		62.8	10-129				
Hexachloroethane	0.587	0.0417	"	0.833		70.4	28-108				
Indeno(1,2,3-cd)pyrene	0.861	0.0417	"	0.833		103	10-135				
Isophorone	0.728	0.0417	"	0.833		87.3	20-132				
Naphthalene	0.636	0.0417	"	0.833		76.4	23-124				
Nitrobenzene	0.666	0.0417	"	0.833		80.0	13-132				
N-Nitrosodimethylamine	0.580	0.0417	"	0.833		69.6	11-129				
N-nitroso-di-n-propylamine	0.651	0.0417	"	0.833		78.1	24-119				
N-Nitrosodiphenylamine	1.02	0.0417	"	0.833		122	22-152				
Pentachlorophenol	0.505	0.0417	"	0.833		60.6	10-139				
Phenanthrene	0.758	0.0417	"	0.833		91.0	33-123				
Phenol	0.605	0.0417	"	0.833		72.6	23-115				
Pyrene	0.820	0.0417	"	0.833		98.4	24-130				
Pyridine	0.321	0.167	"	0.833		38.5	10-91				
Surrogate: SURR: 2-Fluorophenol	1.28		"	1.67		76.6	20-108				
Surrogate: SURR: Phenol-d5	1.32		"	1.67		79.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.737		"	0.833		88.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.739		"	0.833		88.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.22		"	1.67		133	19-110				
Surrogate: SURR: Terphenyl-d14	1.03		"	0.833		123	24-116				



Semivolatile 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 BC10572 - EPA 3546 SVOA											
Matrix Spike (BC10572-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03 0-0.5)						Prepared & Analyzed: 03/10/2021			
1,1-Biphenyl	0.723	0.0996	mg/kg dry	0.995	ND	72.6	10-130				
1,2,4,5-Tetrachlorobenzene	0.740	0.199	"	0.995	ND	74.4	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.774	0.0996	"	0.995	ND	77.8	10-144				
2,3,4,6-Tetrachlorophenol	0.877	0.199	"	0.995	ND	88.1	30-130				
2,4,5-Trichlorophenol	0.750	0.0996	"	0.995	ND	75.4	10-127				
2,4,6-Trichlorophenol	0.736	0.0996	"	0.995	ND	73.9	10-132				
2,4-Dichlorophenol	0.798	0.0996	"	0.995	ND	80.2	10-128				
2,4-Dimethylphenol	0.760	0.0996	"	0.995	ND	76.3	10-137				
2,4-Dinitrophenol	0.632	0.199	"	0.995	ND	63.5	10-171				
2,4-Dinitrotoluene	0.757	0.0996	"	0.995	ND	76.1	16-135				
2,6-Dinitrotoluene	0.783	0.0996	"	0.995	ND	78.7	18-131				
2-Chloronaphthalene	0.690	0.0996	"	0.995	ND	69.4	10-129				
2-Chlorophenol	0.636	0.0996	"	0.995	ND	63.9	15-116				
2-Methylnaphthalene	0.778	0.0996	"	0.995	ND	78.2	10-147				
2-Methylphenol	0.675	0.0996	"	0.995	ND	67.8	10-136				
2-Nitroaniline	0.776	0.199	"	0.995	ND	77.9	10-137				
2-Nitrophenol	0.691	0.0996	"	0.995	ND	69.4	10-129				
3- & 4-Methylphenols	0.630	0.0996	"	0.995	ND	63.3	10-123				
3,3-Dichlorobenzidine	0.189	0.0996	"	0.995	ND	19.0	10-155				
3-Nitroaniline	0.549	0.199	"	0.995	ND	55.1	12-133				
4,6-Dinitro-2-methylphenol	0.677	0.199	"	0.995	ND	68.0	10-155				
4-Bromophenyl phenyl ether	0.805	0.0996	"	0.995	ND	80.9	14-128				
4-Chloro-3-methylphenol	0.837	0.0996	"	0.995	ND	84.1	10-134				
4-Chloroaniline	0.423	0.0996	"	0.995	ND	42.5	10-145				
4-Chlorophenyl phenyl ether	0.705	0.0996	"	0.995	ND	70.9	14-130				
4-Nitroaniline	0.568	0.199	"	0.995	ND	57.0	10-147				
4-Nitrophenol	0.955	0.199	"	0.995	ND	95.9	10-137				
Acenaphthene	0.712	0.0996	"	0.995	ND	71.5	10-146				
Acenaphthylene	0.743	0.0996	"	0.995	ND	74.6	10-134				
Acetophenone	0.688	0.0996	"	0.995	ND	69.1	10-116				
Aniline	0.539	0.399	"	0.995	ND	54.2	10-123				
Anthracene	0.780	0.0996	"	0.995	ND	78.4	10-142				
Atrazine	0.877	0.0996	"	0.995	ND	88.1	19-115				
Benzaldehyde	0.688	0.0996	"	0.995	ND	69.1	10-125				
Benzo(a)anthracene	0.845	0.0996	"	0.995	ND	84.9	10-158				
Benzo(a)pyrene	0.794	0.0996	"	0.995	ND	79.8	10-180				
Benzo(b)fluoranthene	0.850	0.0996	"	0.995	ND	85.4	10-200				
Benzo(g,h,i)perylene	0.893	0.0996	"	0.995	ND	89.7	10-138				
Benzo(k)fluoranthene	0.811	0.0996	"	0.995	ND	81.5	10-197				
Benzoic acid	0.331	0.0996	"	0.995	ND	33.3	10-166				
Benzyl alcohol	0.783	0.0996	"	0.995	ND	78.7	12-124				
Benzyl butyl phthalate	0.794	0.0996	"	0.995	ND	79.8	10-154				
Bis(2-chloroethoxy)methane	0.666	0.0996	"	0.995	ND	66.9	10-132				
Bis(2-chloroethyl)ether	0.505	0.0996	"	0.995	ND	50.7	10-119				
Bis(2-chloroisopropyl)ether	0.760	0.0996	"	0.995	ND	76.3	10-139				
Bis(2-ethylhexyl)phthalate	0.865	0.0996	"	0.995	ND	86.9	10-167				
Caprolactam	0.764	0.199	"	0.995	ND	76.8	10-132				
Carbazole	0.780	0.0996	"	0.995	ND	78.4	10-167				
Chrysene	0.851	0.0996	"	0.995	0.0556	79.9	10-156				
Dibenzo(a,h)anthracene	0.793	0.0996	"	0.995	ND	79.7	10-137				
Dibenzofuran	0.729	0.0996	"	0.995	ND	73.2	10-147				



Semivolatile 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 BC10572 - EPA 3546 SVOA

Matrix Spike (BC10572-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03 0-0.5)						Prepared & Analyzed: 03/10/2021			
Diethyl phthalate	0.751	0.0996	mg/kg dry	0.995	ND	75.4	20-120				
Dimethyl phthalate	0.693	0.0996	"	0.995	ND	69.6	18-131				
Di-n-butyl phthalate	0.822	0.0996	"	0.995	ND	82.6	10-137				
Di-n-octyl phthalate	0.880	0.0996	"	0.995	ND	88.4	10-180				
Diphenylamine	0.916	0.199	"	0.995	ND	92.1	40-140				
Fluoranthene	0.930	0.0996	"	0.995	0.101	83.3	10-160				
Fluorene	0.736	0.0996	"	0.995	ND	74.0	10-157				
Hexachlorobenzene	0.820	0.0996	"	0.995	ND	82.4	10-137				
Hexachlorobutadiene	0.712	0.0996	"	0.995	ND	71.5	10-132				
Hexachlorocyclopentadiene	0.348	0.0996	"	0.995	ND	35.0	10-106				
Hexachloroethane	0.591	0.0996	"	0.995	ND	59.4	10-110				
Indeno(1,2,3-cd)pyrene	0.842	0.0996	"	0.995	ND	84.6	10-144				
Isophorone	0.745	0.0996	"	0.995	ND	74.9	10-132				
Naphthalene	0.655	0.0996	"	0.995	ND	65.8	10-141				
Nitrobenzene	0.681	0.0996	"	0.995	ND	68.4	10-131				
N-Nitrosodimethylamine	0.578	0.0996	"	0.995	ND	58.1	10-126				
N-nitroso-di-n-propylamine	0.672	0.0996	"	0.995	ND	67.5	10-125				
N-Nitrosodiphenylamine	0.999	0.0996	"	0.995	ND	100	10-177				
Pentachlorophenol	0.672	0.0996	"	0.995	ND	67.5	10-153				
Phenanthrene	0.793	0.0996	"	0.995	0.0595	73.7	10-148				
Phenol	0.686	0.0996	"	0.995	ND	68.9	10-126				
Pyrene	0.828	0.0996	"	0.995	0.0762	75.5	10-165				
Pyridine	0.361	0.399	"	0.995	ND	36.2	10-83				
Surrogate: SURR: 2-Fluorophenol	1.35		"	1.99		67.8	20-108				
Surrogate: SURR: Phenol-d5	1.39		"	1.99		69.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.774		"	0.995		77.8	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.765		"	0.995		76.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.20		"	1.99		110	19-110				
Surrogate: SURR: Terphenyl-d14	0.941		"	0.995		94.6	24-116				



Semivolatile 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 BC10572 - EPA 3546 SVOA											
Matrix Spike Dup (BC10572-1) Matrix Spike Dup						Source sample: 21C0344-02 (SB03 0-0.5)					
						Prepared & Analyzed: 03/10/2021					
1,1-Biphenyl	0.737	0.0996	mg/kg dry	0.995	ND	74.1	10-130		1.96	30	
1,2,4,5-Tetrachlorobenzene	0.759	0.199	"	0.995	ND	76.2	10-133		2.44	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.844	0.0996	"	0.995	ND	84.8	10-144		8.66	30	
2,3,4,6-Tetrachlorophenol	1.03	0.199	"	0.995	ND	104	30-130		16.1	30	
2,4,5-Trichlorophenol	0.794	0.0996	"	0.995	ND	79.8	10-127		5.67	30	
2,4,6-Trichlorophenol	0.787	0.0996	"	0.995	ND	79.1	10-132		6.80	30	
2,4-Dichlorophenol	0.831	0.0996	"	0.995	ND	83.5	10-128		4.11	30	
2,4-Dimethylphenol	0.785	0.0996	"	0.995	ND	78.9	10-137		3.30	30	
2,4-Dinitrophenol	0.647	0.199	"	0.995	ND	65.0	10-171		2.24	30	
2,4-Dinitrotoluene	0.835	0.0996	"	0.995	ND	83.9	16-135		9.80	30	
2,6-Dinitrotoluene	0.801	0.0996	"	0.995	ND	80.5	18-131		2.21	30	
2-Chloronaphthalene	0.711	0.0996	"	0.995	ND	71.4	10-129		2.95	30	
2-Chlorophenol	0.673	0.0996	"	0.995	ND	67.6	15-116		5.60	30	
2-Methylnaphthalene	0.789	0.0996	"	0.995	ND	79.3	10-147		1.42	30	
2-Methylphenol	0.697	0.0996	"	0.995	ND	70.1	10-136		3.25	30	
2-Nitroaniline	0.801	0.199	"	0.995	ND	80.5	10-137		3.23	30	
2-Nitrophenol	0.744	0.0996	"	0.995	ND	74.7	10-129		7.33	30	
3- & 4-Methylphenols	0.673	0.0996	"	0.995	ND	67.6	10-123		6.60	30	
3,3-Dichlorobenzidine	0.282	0.0996	"	0.995	ND	28.3	10-155		39.6	30	Non-dir.
3-Nitroaniline	0.616	0.199	"	0.995	ND	61.9	12-133		11.6	30	
4,6-Dinitro-2-methylphenol	0.691	0.199	"	0.995	ND	69.4	10-155		2.10	30	
4-Bromophenyl phenyl ether	0.892	0.0996	"	0.995	ND	89.6	14-128		10.2	30	
4-Chloro-3-methylphenol	0.874	0.0996	"	0.995	ND	87.8	10-134		4.37	30	
4-Chloroaniline	0.494	0.0996	"	0.995	ND	49.7	10-145		15.6	30	
4-Chlorophenyl phenyl ether	0.771	0.0996	"	0.995	ND	77.4	14-130		8.85	30	
4-Nitroaniline	0.636	0.199	"	0.995	ND	63.9	10-147		11.4	30	
4-Nitrophenol	0.944	0.199	"	0.995	ND	94.9	10-137		1.09	30	
Acenaphthene	0.760	0.0996	"	0.995	ND	76.3	10-146		6.49	30	
Acenaphthylene	0.742	0.0996	"	0.995	ND	74.6	10-134		0.107	30	
Acetophenone	0.654	0.0996	"	0.995	ND	65.8	10-116		4.98	30	
Aniline	0.404	0.399	"	0.995	ND	40.6	10-123		28.7	30	
Anthracene	0.836	0.0996	"	0.995	ND	84.0	10-142		6.90	30	
Atrazine	0.928	0.0996	"	0.995	ND	93.2	19-115		5.65	30	
Benzaldehyde	0.654	0.0996	"	0.995	ND	65.8	10-125		4.98	30	
Benzo(a)anthracene	0.905	0.0996	"	0.995	ND	91.0	10-158		6.92	30	
Benzo(a)pyrene	0.862	0.0996	"	0.995	ND	86.6	10-180		8.27	30	
Benzo(b)fluoranthene	0.901	0.0996	"	0.995	ND	90.5	10-200		5.73	30	
Benzo(g,h,i)perylene	0.938	0.0996	"	0.995	ND	94.2	10-138		4.96	30	
Benzo(k)fluoranthene	0.855	0.0996	"	0.995	ND	85.9	10-197		5.26	30	
Benzoic acid	0.345	0.0996	"	0.995	ND	34.6	10-166		4.00	30	
Benzyl alcohol	0.817	0.0996	"	0.995	ND	82.1	12-124		4.18	30	
Benzyl butyl phthalate	0.822	0.0996	"	0.995	ND	82.6	10-154		3.55	30	
Bis(2-chloroethoxy)methane	0.697	0.0996	"	0.995	ND	70.1	10-132		4.67	30	
Bis(2-chloroethyl)ether	0.740	0.0996	"	0.995	ND	74.3	10-119		37.7	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.793	0.0996	"	0.995	ND	79.7	10-139		4.31	30	
Bis(2-ethylhexyl)phthalate	0.885	0.0996	"	0.995	ND	89.0	10-167		2.37	30	
Caprolactam	0.776	0.199	"	0.995	ND	77.9	10-132		1.45	30	
Carbazole	0.849	0.0996	"	0.995	ND	85.3	10-167		8.41	30	
Chrysene	0.893	0.0996	"	0.995	0.0556	84.1	10-156		4.75	30	
Dibenzo(a,h)anthracene	0.838	0.0996	"	0.995	ND	84.2	10-137		5.47	30	
Dibenzofuran	0.752	0.0996	"	0.995	ND	75.6	10-147		3.23	30	



Semivolatile 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 BC10572 - EPA 3546 SVOA

Matrix Spike Dup (BC10572-1)				Source sample: 21C0344-02 (SB03 0-0.5)				Prepared & Analyzed: 03/10/2021			
Diethyl phthalate	0.780	0.0996	mg/kg dry	0.995	ND	78.4	20-120		3.85	30	
Dimethyl phthalate	0.690	0.0996	"	0.995	ND	69.3	18-131		0.461	30	
Di-n-butyl phthalate	0.878	0.0996	"	0.995	ND	88.2	10-137		6.65	30	
Di-n-octyl phthalate	0.920	0.0996	"	0.995	ND	92.4	10-180		4.42	30	
Diphenylamine	0.975	0.199	"	0.995	ND	98.0	40-140		6.23	30	
Fluoranthene	1.02	0.0996	"	0.995	0.101	92.1	10-160		8.99	30	
Fluorene	0.748	0.0996	"	0.995	ND	75.1	10-157		1.50	30	
Hexachlorobenzene	0.839	0.0996	"	0.995	ND	84.3	10-137		2.30	30	
Hexachlorobutadiene	0.745	0.0996	"	0.995	ND	74.9	10-132		4.59	30	
Hexachlorocyclopentadiene	0.329	0.0996	"	0.995	ND	33.0	10-106		5.65	30	
Hexachloroethane	0.595	0.0996	"	0.995	ND	59.8	10-110		0.672	30	
Indeno(1,2,3-cd)pyrene	0.893	0.0996	"	0.995	ND	89.8	10-144		5.87	30	
Isophorone	0.756	0.0996	"	0.995	ND	76.0	10-132		1.48	30	
Naphthalene	0.704	0.0996	"	0.995	ND	70.7	10-141		7.15	30	
Nitrobenzene	0.722	0.0996	"	0.995	ND	72.6	10-131		5.90	30	
N-Nitrosodimethylamine	0.608	0.0996	"	0.995	ND	61.0	10-126		4.97	30	
N-nitroso-di-n-propylamine	0.717	0.0996	"	0.995	ND	72.0	10-125		6.42	30	
N-Nitrosodiphenylamine	1.04	0.0996	"	0.995	ND	104	10-177		3.60	30	
Pentachlorophenol	0.733	0.0996	"	0.995	ND	73.6	10-153		8.62	30	
Phenanthrene	0.884	0.0996	"	0.995	0.0595	82.8	10-148		10.8	30	
Phenol	0.739	0.0996	"	0.995	ND	74.2	10-126		7.49	30	
Pyrene	0.871	0.0996	"	0.995	0.0762	79.9	10-165		5.06	30	
Pyridine	0.373	0.399	"	0.995	ND	37.4	10-83		3.26	30	
Surrogate: SURR: 2-Fluorophenol	1.40		"	1.99		70.6	20-108				
Surrogate: SURR: Phenol-d5	1.48		"	1.99		74.5	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.852		"	0.995		85.6	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.777		"	0.995		78.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.34		"	1.99		118	19-110				
Surrogate: SURR: Terphenyl-d14	0.979		"	0.995		98.4	24-116				



Semivolatile 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 BC10618 - EPA 3510C											
Blank (BC10618-BLK1)	Blank										Prepared: 03/10/2021 Analyzed: 03/11/2021
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	0.650	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								



Semivolatile 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 BC10618 - EPA 3510C

Blank (BC10618-BLK1)	Blank	Prepared: 03/10/2021 Analyzed: 03/11/2021									
Dibenzofuran	ND	5.00	ug/L								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	21.2		"	50.0		42.4	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.3		"	50.0		26.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.1		"	25.0		80.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	20.2		"	25.0		80.6	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	52.4		"	50.0		105	39.3-151				
Surrogate: SURR: Terphenyl-d14	26.6		"	25.0		107	30.7-106				



Semivolatile 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 BC10618 - EPA 3510C

Blank (BC10618-BLK2)	Blank	Prepared: 03/10/2021 Analyzed: 03/11/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								



Semivolatile 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 BC10618 - EPA 3510C

Blank (BC10618-BLK2)	Blank		Prepared: 03/10/2021 Analyzed: 03/11/2021								
Dibenzofuran	ND	5.00	ug/L								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC10618 - EPA 3510C											
LCS (BC10618-BS1)	LCS	Prepared: 03/10/2021 Analyzed: 03/11/2021									
1,1-Biphenyl	17.4	5.00	ug/L	25.0		69.7	33-95				
1,2,4,5-Tetrachlorobenzene	18.8	5.00	"	25.0		75.3	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	17.3	5.00	"	25.0		69.2	16-141				
2,3,4,6-Tetrachlorophenol	21.8	5.00	"	25.0		87.1	30-130				
2,4,5-Trichlorophenol	19.7	5.00	"	25.0		78.9	32-114				
2,4,6-Trichlorophenol	19.2	5.00	"	25.0		76.7	35-118				
2,4-Dichlorophenol	19.2	5.00	"	25.0		76.7	25-116				
2,4-Dimethylphenol	17.7	5.00	"	25.0		71.0	15-116				
2,4-Dinitrophenol	25.4	5.00	"	25.0		101	10-170				
2,4-Dinitrotoluene	18.6	5.00	"	25.0		74.3	41-128				
2,6-Dinitrotoluene	19.4	5.00	"	25.0		77.4	45-116				
2-Chloronaphthalene	16.5	5.00	"	25.0		65.9	33-112				
2-Chlorophenol	14.0	5.00	"	25.0		55.8	15-120				
2-Methylnaphthalene	20.5	5.00	"	25.0		82.1	24-118				
2-Methylphenol	12.3	5.00	"	25.0		49.2	10-110				
2-Nitroaniline	18.6	5.00	"	25.0		74.3	34-129				
2-Nitrophenol	21.3	5.00	"	25.0		85.2	28-118				
3- & 4-Methylphenols	10.2	5.00	"	25.0		40.6	10-107				
3,3-Dichlorobenzidine	14.3	5.00	"	25.0		57.2	15-187				
3-Nitroaniline	15.4	5.00	"	25.0		61.4	24-134				
4,6-Dinitro-2-methylphenol	24.0	5.00	"	25.0		95.9	10-153				
4-Bromophenyl phenyl ether	18.8	5.00	"	25.0		75.3	34-120				
4-Chloro-3-methylphenol	16.9	5.00	"	25.0		67.7	20-120				
4-Chloroaniline	12.1	5.00	"	25.0		48.2	10-147				
4-Chlorophenyl phenyl ether	17.8	5.00	"	25.0		71.0	27-121				
4-Nitroaniline	16.6	5.00	"	25.0		66.4	13-134				
4-Nitrophenol	10.0	5.00	"	25.0		40.1	10-131				
Acenaphthene	17.4	0.0500	"	25.0		69.5	25-116				
Acenaphthylene	17.3	0.0500	"	25.0		69.2	26-116				
Acetophenone	16.5	5.00	"	25.0		65.9	25-110				
Aniline	8.36	5.00	"	25.0		33.4	10-117				
Anthracene	18.8	0.0500	"	25.0		75.4	25-123				
Benzaldehyde	16.5	5.00	"	25.0		65.9	29-117				
Benzo(a)anthracene	19.6	0.0500	"	25.0		78.3	33-125				
Benzo(a)pyrene	20.0	0.0500	"	25.0		79.9	32-132				
Benzo(b)fluoranthene	21.1	0.0500	"	25.0		84.5	22-137				
Benzo(g,h,i)perylene	22.9	0.0500	"	25.0		91.8	10-138				
Benzo(k)fluoranthene	20.3	0.0500	"	25.0		81.3	20-137				
Benzoic acid	8.77	5.00	"	25.0		35.1	30-130				
Benzyl alcohol	15.9	5.00	"	25.0		63.6	10-117				
Benzyl butyl phthalate	17.7	5.00	"	25.0		70.8	29-133				
Bis(2-chloroethoxy)methane	18.4	5.00	"	25.0		73.6	10-154				
Bis(2-chloroethyl)ether	19.7	5.00	"	25.0		79.0	17-125				
Bis(2-chloroisopropyl)ether	17.6	5.00	"	25.0		70.2	10-139				
Bis(2-ethylhexyl)phthalate	20.6	0.500	"	25.0		82.3	10-189				
Caprolactam	6.46	5.00	"	25.0		25.8	10-137				
Carbazole	19.0	5.00	"	25.0		76.2	42-126				
Chrysene	20.3	0.0500	"	25.0		81.2	32-124				
Dibenzo(a,h)anthracene	21.4	0.0500	"	25.0		85.4	16-133				
Dibenzofuran	18.1	5.00	"	25.0		72.5	36-113				
Diethyl phthalate	17.0	5.00	"	25.0		68.0	38-115				



Semivolatile 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 BC10618 - EPA 3510C

LCS (BC10618-BS1)	LCS	Prepared: 03/10/2021 Analyzed: 03/11/2021									
Dimethyl phthalate	17.1	5.00	ug/L	25.0		68.4	38-129				
Di-n-butyl phthalate	17.8	5.00	"	25.0		71.2	31-120				
Di-n-octyl phthalate	20.8	5.00	"	25.0		83.0	21-149				
Diphenylamine	22.2	5.00	"	25.0		88.6	40-140				
Fluoranthene	19.3	0.0500	"	25.0		77.2	32-121				
Fluorene	17.8	0.0500	"	25.0		71.1	28-118				
Hexachlorobenzene	17.2	0.0200	"	25.0		68.7	23-124				
Hexachlorobutadiene	18.0	0.500	"	25.0		71.9	15-123				
Hexachlorocyclopentadiene	13.4	10.0	"	25.0		53.5	10-130				
Hexachloroethane	14.6	0.500	"	25.0		58.6	18-115				
Indeno(1,2,3-cd)pyrene	21.2	0.0500	"	25.0		84.8	15-135				
Isophorone	18.6	5.00	"	25.0		74.2	25-127				
Naphthalene	18.1	0.0500	"	25.0		72.4	18-120				
Nitrobenzene	17.0	0.250	"	25.0		68.1	21-121				
N-Nitrosodimethylamine	10.7	0.500	"	25.0		42.7	10-124				
N-nitroso-di-n-propylamine	15.6	5.00	"	25.0		62.2	26-122				
N-Nitrosodiphenylamine	22.1	5.00	"	25.0		88.2	23-149				
Pentachlorophenol	18.7	0.250	"	25.0		75.0	10-156				
Phenanthrene	18.9	0.0500	"	25.0		75.4	24-127				
Phenol	7.94	5.00	"	25.0		31.8	10-110				
Pyrene	18.1	0.0500	"	25.0		72.5	31-132				
Pyridine	11.7	5.00	"	25.2		46.3	10-90				
Surrogate: SURR: 2-Fluorophenol	20.9		"	50.0		41.8	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.8		"	50.0		27.7	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.0		"	25.0		79.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	19.7		"	25.0		78.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	52.7		"	50.0		105	39.3-151				
Surrogate: SURR: Terphenyl-d14	24.0		"	25.0		96.1	30.7-106				



Semivolatile 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 BC10618 - EPA 3510C											
LCS (BC10618-BS2)	LCS	Prepared: 03/10/2021 Analyzed: 03/11/2021									
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.590	0.0500	"	1.00		59.0	25-116				
Acenaphthylene	0.570	0.0500	"	1.00		57.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.600	0.0500	"	1.00		60.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.630	0.0500	"	1.00		63.0	33-125				
Benzo(a)pyrene	0.600	0.0500	"	1.00		60.0	32-132				
Benzo(b)fluoranthene	0.690	0.0500	"	1.00		69.0	22-137				
Benzo(g,h,i)perylene	0.460	0.0500	"	1.00		46.0	10-138				
Benzo(k)fluoranthene	0.650	0.0500	"	1.00		65.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			
Bis(2-ethylhexyl)phthalate	1.02	0.500	"	1.00		102	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.690	0.0500	"	1.00		69.0	32-124				
Dibenzo(a,h)anthracene	0.490	0.0500	"	1.00		49.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			



Semivolatile 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 BC10618 - EPA 3510C

LCS (BC10618-BS2)	LCS	Prepared: 03/10/2021 Analyzed: 03/11/2021									
Dimethyl phthalate	ND	5.00	ug/L	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.730	0.0500	"	1.00		73.0	32-121				
Fluorene	0.650	0.0500	"	1.00		65.0	28-118				
Hexachlorobenzene	0.500	0.0200	"	1.00		50.0	23-124				
Hexachlorobutadiene	0.630	0.500	"	1.00		63.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	ND	0.500	"	1.00			18-115	Low Bias			
Indeno(1,2,3-cd)pyrene	0.490	0.0500	"	1.00		49.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.560	0.0500	"	1.00		56.0	18-120				
Nitrobenzene	0.520	0.250	"	1.00		52.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	1.17	0.250	"	1.00		117	10-156				
Phenanthrene	0.620	0.0500	"	1.00		62.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.530	0.0500	"	1.00		53.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC10618 - EPA 3510C											
LCS Dup (BC10618-BSD1)	LCS Dup	Prepared: 03/10/2021 Analyzed: 03/11/2021									
1,1-Biphenyl	15.5	5.00	ug/L	25.0		62.0	33-95		11.7	20	
1,2,4,5-Tetrachlorobenzene	16.2	5.00	"	25.0		65.0	26-120		14.7	20	
1,2-Diphenylhydrazine (as Azobenzene)	15.0	5.00	"	25.0		60.2	16-141		13.9	20	
2,3,4,6-Tetrachlorophenol	19.6	5.00	"	25.0		78.2	30-130		10.8	20	
2,4,5-Trichlorophenol	18.0	5.00	"	25.0		71.9	32-114		9.28	20	
2,4,6-Trichlorophenol	16.6	5.00	"	25.0		66.6	35-118		14.1	20	
2,4-Dichlorophenol	16.4	5.00	"	25.0		65.7	25-116		15.5	20	
2,4-Dimethylphenol	15.1	5.00	"	25.0		60.2	15-116		16.3	20	
2,4-Dinitrophenol	21.6	5.00	"	25.0		86.4	10-170		16.0	20	
2,4-Dinitrotoluene	17.1	5.00	"	25.0		68.4	41-128		8.30	20	
2,6-Dinitrotoluene	16.8	5.00	"	25.0		67.1	45-116		14.2	20	
2-Chloronaphthalene	14.7	5.00	"	25.0		58.8	33-112		11.3	20	
2-Chlorophenol	12.2	5.00	"	25.0		49.0	15-120		13.0	20	
2-Methylnaphthalene	17.2	5.00	"	25.0		68.6	24-118		17.9	20	
2-Methylphenol	11.2	5.00	"	25.0		44.7	10-110		9.71	20	
2-Nitroaniline	16.5	5.00	"	25.0		66.1	34-129		11.7	20	
2-Nitrophenol	17.8	5.00	"	25.0		71.4	28-118		17.6	20	
3- & 4-Methylphenols	9.51	5.00	"	25.0		38.0	10-107		6.61	20	
3,3-Dichlorobenzidine	12.9	5.00	"	25.0		51.6	15-187		10.1	20	
3-Nitroaniline	15.1	5.00	"	25.0		60.3	24-134		1.84	20	
4,6-Dinitro-2-methylphenol	21.1	5.00	"	25.0		84.4	10-153		12.7	20	
4-Bromophenyl phenyl ether	16.7	5.00	"	25.0		66.7	34-120		12.2	20	
4-Chloro-3-methylphenol	14.7	5.00	"	25.0		58.8	20-120		14.0	20	
4-Chloroaniline	12.0	5.00	"	25.0		48.0	10-147		0.499	20	
4-Chlorophenyl phenyl ether	16.3	5.00	"	25.0		65.2	27-121		8.57	20	
4-Nitroaniline	14.7	5.00	"	25.0		58.8	13-134		12.1	20	
4-Nitrophenol	9.44	5.00	"	25.0		37.8	10-131		5.96	20	
Acenaphthene	15.3	0.0500	"	25.0		61.2	25-116		12.8	20	
Acenaphthylene	15.4	0.0500	"	25.0		61.5	26-116		11.8	20	
Acetophenone	14.0	5.00	"	25.0		56.0	25-110		16.1	20	
Aniline	8.17	5.00	"	25.0		32.7	10-117		2.30	20	
Anthracene	16.5	0.0500	"	25.0		65.9	25-123		13.4	20	
Benzaldehyde	14.0	5.00	"	25.0		56.0	29-117		16.1	20	
Benzo(a)anthracene	18.1	0.0500	"	25.0		72.4	33-125		7.80	20	
Benzo(a)pyrene	18.8	0.0500	"	25.0		75.1	32-132		6.25	20	
Benzo(b)fluoranthene	20.0	0.0500	"	25.0		80.2	22-137		5.20	20	
Benzo(g,h,i)perylene	21.5	0.0500	"	25.0		86.0	10-138		6.48	20	
Benzo(k)fluoranthene	19.2	0.0500	"	25.0		76.6	20-137		5.98	20	
Benzoic acid	7.78	5.00	"	25.0		31.1	30-130		12.0	20	
Benzyl alcohol	14.4	5.00	"	25.0		57.8	10-117		9.69	20	
Benzyl butyl phthalate	16.7	5.00	"	25.0		67.0	29-133		5.63	20	
Bis(2-chloroethoxy)methane	15.6	5.00	"	25.0		62.4	10-154		16.4	20	
Bis(2-chloroethyl)ether	16.0	5.00	"	25.0		63.9	17-125		21.1	20	Non-dir.
Bis(2-chloroisopropyl)ether	15.3	5.00	"	25.0		61.2	10-139		13.7	20	
Bis(2-ethylhexyl)phthalate	19.2	0.500	"	25.0		76.8	10-189		6.94	20	
Caprolactam	5.70	5.00	"	25.0		22.8	10-137		12.5	20	
Carbazole	17.1	5.00	"	25.0		68.3	42-126		10.9	20	
Chrysene	19.0	0.0500	"	25.0		76.0	32-124		6.62	20	
Dibenzo(a,h)anthracene	19.8	0.0500	"	25.0		79.3	16-133		7.38	20	
Dibenzofuran	16.0	5.00	"	25.0		64.2	36-113		12.2	20	
Diethyl phthalate	15.5	5.00	"	25.0		61.9	38-115		9.42	20	



Semivolatile 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 BC10618 - EPA 3510C

LCS Dup (BC10618-BSD1) LCS Dup		Prepared: 03/10/2021 Analyzed: 03/11/2021									
Dimethyl phthalate	15.2	5.00	ug/L	25.0		60.8	38-129		11.6	20	
Di-n-butyl phthalate	16.4	5.00	"	25.0		65.7	31-120		8.06	20	
Di-n-octyl phthalate	19.6	5.00	"	25.0		78.5	21-149		5.60	20	
Diphenylamine	19.7	5.00	"	25.0		78.8	40-140		11.8	20	
Fluoranthene	17.6	0.0500	"	25.0		70.2	32-121		9.44	20	
Fluorene	16.0	0.0500	"	25.0		63.8	28-118		10.8	20	
Hexachlorobenzene	14.9	0.0200	"	25.0		59.6	23-124		14.1	20	
Hexachlorobutadiene	15.7	0.500	"	25.0		62.7	15-123		13.7	20	
Hexachlorocyclopentadiene	11.4	10.0	"	25.0		45.7	10-130		15.7	20	
Hexachloroethane	12.7	0.500	"	25.0		50.8	18-115		14.1	20	
Indeno(1,2,3-cd)pyrene	19.6	0.0500	"	25.0		78.6	15-135		7.59	20	
Isophorone	16.2	5.00	"	25.0		64.8	25-127		13.5	20	
Naphthalene	15.3	0.0500	"	25.0		61.0	18-120		17.1	20	
Nitrobenzene	14.6	0.250	"	25.0		58.6	21-121		15.1	20	
N-Nitrosodimethylamine	9.86	0.500	"	25.0		39.4	10-124		7.89	20	
N-nitroso-di-n-propylamine	13.4	5.00	"	25.0		53.6	26-122		14.9	20	
N-Nitrosodiphenylamine	19.4	5.00	"	25.0		77.7	23-149		12.7	20	
Pentachlorophenol	16.6	0.250	"	25.0		66.4	10-156		12.1	20	
Phenanthrene	16.7	0.0500	"	25.0		66.7	24-127		12.3	20	
Phenol	7.34	5.00	"	25.0		29.4	10-110		7.85	20	
Pyrene	16.7	0.0500	"	25.0		66.7	31-132		8.33	20	
Pyridine	9.93	5.00	"	25.2		39.3	10-90		16.2	20	
Surrogate: SURR: 2-Fluorophenol	19.2		"	50.0		38.3	19.7-63.1				
Surrogate: SURR: Phenol-d5	13.0		"	50.0		26.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	16.8		"	25.0		67.1	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.8		"	25.0		71.3	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	48.3		"	50.0		96.7	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.8		"	25.0		91.0	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC10568 - EPA 3550C											
Blank (BC10568-BLK1)	Blank								Prepared & Analyzed: 03/10/2021		
1,4-Dioxane	ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8	277		"	495		56.0	39-127.5				
LCS (BC10568-BS1)	LCS								Prepared & Analyzed: 03/10/2021		
1,4-Dioxane	457	9.90	ug/kg	495		92.4	40-130				
Surrogate: 1,4-Dioxane-d8	257		"	495		52.0	39-127.5				
Matrix Spike (BC10568-MS1)	Matrix Spike	*Source sample: 21C0255-01 (Matrix Spike)							Prepared & Analyzed: 03/10/2021		
1,4-Dioxane	495	9.90	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8	248		"	495		50.0	40-130				
Matrix Spike (BC10568-MS2)	Matrix Spike	*Source sample: 21C0344-02 (SB03_0-0.5)							Prepared & Analyzed: 03/10/2021		
1,4-Dioxane	475	9.90	ug/kg	495	ND	96.0	40-130				
Surrogate: 1,4-Dioxane-d8	248		"	495		50.0	40-130				
Matrix Spike Dup (BC10568-1)	Matrix Spike Dup	*Source sample: 21C0255-01 (Matrix Spike Dup)							Prepared & Analyzed: 03/10/2021		
1,4-Dioxane	474	9.90	ug/kg	495	ND	95.8	40-130		4.29	30	
Surrogate: 1,4-Dioxane-d8	238		"	495		48.0	40-130				
Matrix Spike Dup (BC10568-2)	Matrix Spike Dup	*Source sample: 21C0344-02 (SB03_0-0.5)							Prepared & Analyzed: 03/10/2021		
1,4-Dioxane	517	9.90	ug/kg	495	ND	104	40-130		8.38	30	
Surrogate: 1,4-Dioxane-d8	228		"	495		46.0	40-130				
Batch BC10694 - EPA 3535A											
Blank (BC10694-BLK1)	Blank								Prepared: 03/11/2021 Analyzed: 03/12/2021		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.20		"	4.00		80.0	36.6-118				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC10694 - EPA 3535A											
LCS (BC10694-BS1)	LCS		Prepared: 03/11/2021 Analyzed: 03/12/2021								
1,4-Dioxane	4.62	0.300	ug/L	4.00		116	50-130				
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	36.6-118				
Matrix Spike (BC10694-MS1)	Matrix Spike		*Source sample: 21C0344-01 (SOFB02_030521) Prepared: 03/11/2021 Analyzed: 03/12/2021								
1,4-Dioxane	4.42	0.300	ug/L	4.00	ND	110	50-130				
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	50-130				
Matrix Spike Dup (BC10694-1)	Matrix Spike Dup		*Source sample: 21C0344-01 (SOFB02_030521) Prepared: 03/11/2021 Analyzed: 03/12/2021								
1,4-Dioxane	4.85	0.300	ug/L	4.00	ND	121	50-130		9.33	30	
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	50-130				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Blank (BC10474-BLK1)		Blank		Prepared: 03/08/2021 Analyzed: 03/10/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	91.3		"	74.3		123	25-150				
Surrogate: M5PFHxA	93.3		"	80.0		117	25-150				
Surrogate: M4PFHpA	84.0		"	80.0		105	25-150				
Surrogate: M3PFHxS	84.6		"	75.7		112	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.0		"	80.0		104	25-150				
Surrogate: M6PFDA	75.3		"	80.0		94.1	25-150				
Surrogate: M7PFUdA	64.2		"	80.0		80.2	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	45.0		"	80.0		56.3	25-150				
Surrogate: M2PFTeDA	11.8		"	80.0		14.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	95.6		"	80.0		120	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.8		"	76.6		107	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	98.7		"	80.0		123	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	33.5		"	80.0		41.9	10-150				
Surrogate: d3-N-MeFOSAA	49.2		"	80.0		61.5	25-150				
Surrogate: d5-N-EtFOSAA	46.8		"	80.0		58.5	25-150				
Surrogate: M2-6:2 FTS	77.6		"	75.9		102	25-150				
Surrogate: M2-8:2 FTS	69.0		"	76.6		90.1	25-150				
Surrogate: M9PFNA	79.7		"	80.0		99.7	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

LCS (BC10474-BS1)	LCS	Prepared: 03/08/2021 Analyzed: 03/10/2021									
Perfluorobutanesulfonic acid (PFBS)	68.8	2.00	ng/L	70.8		97.2	50-130				
Perfluorohexanoic acid (PFHxA)	78.9	2.00	"	80.0		98.6	50-130				
Perfluoroheptanoic acid (PFHpA)	79.0	2.00	"	80.0		98.8	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.5	2.00	"	73.0		81.5	50-130				
Perfluorooctanoic acid (PFOA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	54.5	2.00	"	74.1		73.5	50-130				
Perfluorononanoic acid (PFNA)	79.0	2.00	"	80.0		98.7	50-130				
Perfluorodecanoic acid (PFDA)	80.3	2.00	"	80.0		100	50-130				
Perfluoroundecanoic acid (PFUnA)	79.8	2.00	"	80.0		99.7	50-130				
Perfluorododecanoic acid (PFDoA)	80.0	2.00	"	80.0		100	50-130				
Perfluorotridecanoic acid (PFTDA)	66.0	2.00	"	80.0		82.5	50-130				
Perfluorotetradecanoic acid (PFTA)	79.5	2.00	"	80.0		99.4	50-130				
N-MeFOSAA	78.6	2.00	"	80.0		98.3	50-130				
N-EtFOSAA	84.5	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	78.8	2.00	"	80.0		98.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	75.0	2.00	"	80.0		93.7	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	79.4	2.00	"	76.0		104	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	70.5	2.00	"	77.2		91.3	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	74.0	5.00	"	76.0		97.3	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	73.5	2.00	"	76.8		95.7	50-130				
Perfluoro-n-butanoic acid (PFBA)	79.3	2.00	"	80.0		99.1	50-130				
Surrogate: M3PFBS	88.9		"	74.3		120	25-150				
Surrogate: M5PFHxA	89.5		"	80.0		112	25-150				
Surrogate: M4PFHpA	81.3		"	80.0		102	25-150				
Surrogate: M3PFHxS	84.3		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	80.1		"	80.0		100	25-150				
Surrogate: M6PFDA	74.6		"	80.0		93.2	25-150				
Surrogate: M7PFUdA	70.3		"	80.0		87.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	63.5		"	80.0		79.4	25-150				
Surrogate: M2PFTeDA	44.4		"	80.0		55.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	92.1		"	80.0		115	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	81.2		"	76.6		106	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	92.7		"	80.0		116	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	35.8		"	80.0		44.8	10-150				
Surrogate: d3-N-MeFOSAA	62.0		"	80.0		77.4	25-150				
Surrogate: d5-N-EtFOSAA	57.0		"	80.0		71.3	25-150				
Surrogate: M2-6:2 FTS	84.5		"	75.9		111	25-150				
Surrogate: M2-8:2 FTS	73.3		"	76.6		95.7	25-150				
Surrogate: M9PFNA	74.4		"	80.0		93.1	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BC10474-BSD1)	LCS Dup		Prepared: 03/08/2021 Analyzed: 03/10/2021								
Perfluorobutanesulfonic acid (PFBS)	70.3	2.00	ng/L	70.8		99.2	50-130		2.08	30	
Perfluorohexanoic acid (PFHxA)	77.5	2.00	"	80.0		96.9	50-130		1.77	30	
Perfluoroheptanoic acid (PFHpA)	77.9	2.00	"	80.0		97.3	50-130		1.50	30	
Perfluorohexanesulfonic acid (PFHxS)	59.9	2.00	"	73.0		82.1	50-130		0.698	30	
Perfluorooctanoic acid (PFOA)	78.6	2.00	"	80.0		98.3	50-130		0.198	30	
Perfluorooctanesulfonic acid (PFOS)	58.0	2.00	"	74.1		78.3	50-130		6.27	30	
Perfluorononanoic acid (PFNA)	79.2	2.00	"	80.0		99.0	50-130		0.304	30	
Perfluorodecanoic acid (PFDA)	77.9	2.00	"	80.0		97.4	50-130		3.04	30	
Perfluoroundecanoic acid (PFUnA)	77.6	2.00	"	80.0		96.9	50-130		2.81	30	
Perfluorododecanoic acid (PFDoA)	77.5	2.00	"	80.0		96.9	50-130		3.11	30	
Perfluorotridecanoic acid (PFTriDA)	58.0	2.00	"	80.0		72.5	50-130		13.0	30	
Perfluorotetradecanoic acid (PFTA)	80.0	2.00	"	80.0		100	50-130		0.639	30	
N-MeFOSAA	81.1	2.00	"	80.0		101	50-130		3.10	30	
N-EtFOSAA	84.3	2.00	"	80.0		105	50-130		0.287	30	
Perfluoropentanoic acid (PFPeA)	80.4	2.00	"	80.0		101	50-130		2.12	30	
Perfluoro-1-octanesulfonamide (FOSA)	77.2	2.00	"	80.0		96.5	50-130		2.95	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.8	2.00	"	76.0		110	50-130		5.37	30	
Perfluoro-1-decanesulfonic acid (PFDS)	66.3	2.00	"	77.2		85.9	50-130		6.13	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	79.1	5.00	"	76.0		104	50-130		6.74	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	74.4	2.00	"	76.8		96.9	50-130		1.26	30	
Perfluoro-n-butanoic acid (PFBA)	80.6	2.00	"	80.0		101	50-130		1.67	30	
Surrogate: M3PFBS	87.0		"	74.3		117	25-150				
Surrogate: M5PFHxA	91.0		"	80.0		114	25-150				
Surrogate: M4PFHpA	83.8		"	80.0		105	25-150				
Surrogate: M3PFHxS	84.3		"	75.7		111	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	83.6		"	80.0		105	25-150				
Surrogate: M6PFDA	72.6		"	80.0		90.8	25-150				
Surrogate: M7PFUdA	67.5		"	80.0		84.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	56.6		"	80.0		70.8	25-150				
Surrogate: M2PFTeDA	27.2		"	80.0		34.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	91.5		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	77.6		"	76.6		101	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	91.5		"	80.0		114	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	40.3		"	80.0		50.4	10-150				
Surrogate: d3-N-MeFOSAA	56.5		"	80.0		70.6	25-150				
Surrogate: d5-N-EtFOSAA	50.9		"	80.0		63.6	25-150				
Surrogate: M2-6:2 FTS	80.8		"	75.9		106	25-150				
Surrogate: M2-8:2 FTS	71.2		"	76.6		92.9	25-150				
Surrogate: M9PFNA	73.4		"	80.0		91.7	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC10474-MS1)	Matrix Spike	*Source sample: 21C0328-05 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/10/2021			
Perfluorobutanesulfonic acid (PFBS)	44.2	0.954	ng/L	33.8	6.15	113	25-150				
Perfluorohexanoic acid (PFHxA)	53.5	0.954	"	38.2	10.0	114	25-150				
Perfluoroheptanoic acid (PFHpA)	49.9	0.954	"	38.2	13.0	96.6	25-150				
Perfluorohexanesulfonic acid (PFHxS)	43.5	0.954	"	34.8	16.2	78.4	25-150				
Perfluorooctanoic acid (PFOA)	78.5	0.954	"	38.2	27.7	133	25-150				
Perfluorooctanesulfonic acid (PFOS)	130	0.954	"	35.3	ND	369	25-150	High Bias			
Perfluorononanoic acid (PFNA)	66.0	0.954	"	38.2	17.3	128	25-150				
Perfluorodecanoic acid (PFDA)	41.9	0.954	"	38.2	ND	110	25-150				
Perfluoroundecanoic acid (PFUnA)	42.7	0.954	"	38.2	1.74	107	25-150				
Perfluorododecanoic acid (PFDoA)	41.5	0.954	"	38.2	ND	109	25-150				
Perfluorotridecanoic acid (PFTriDA)	46.5	0.954	"	38.2	ND	122	25-150				
Perfluorotetradecanoic acid (PFTA)	41.2	0.954	"	38.2	ND	108	25-150				
N-MeFOSAA	41.9	0.954	"	38.2	ND	110	25-150				
N-EtFOSAA	43.8	0.954	"	38.2	ND	115	25-150				
Perfluoropentanoic acid (PFPeA)	55.4	0.954	"	38.2	13.9	109	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	41.7	0.954	"	38.2	ND	109	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.6	0.954	"	36.3	16.0	137	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	41.5	0.954	"	36.8	ND	113	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	38.3	2.39	"	36.3	ND	106	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	41.8	0.954	"	36.6	ND	114	25-150				
Perfluoro-n-butanoic acid (PFBA)	51.5	0.954	"	38.2	8.51	113	25-150				
<i>Surrogate: M3PFBS</i>	38.3		"	35.5		108	25-150				
<i>Surrogate: M5PFHxA</i>	39.7		"	38.2		104	25-150				
<i>Surrogate: M4PFHpA</i>	42.8		"	38.2		112	25-150				
<i>Surrogate: M3PFHxS</i>	38.9		"	36.1		108	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	32.2		"	38.2		84.2	25-150				
<i>Surrogate: M6PFDA</i>	27.2		"	38.2		71.2	25-150				
<i>Surrogate: M7PFUdA</i>	24.2		"	38.2		63.5	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	22.6		"	38.2		59.3	25-150				
<i>Surrogate: M2PFTeDA</i>	14.3		"	38.2		37.5	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	41.2		"	38.2		108	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	31.8		"	36.5		86.9	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	37.2		"	38.2		97.5	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	3.68		"	38.2		9.65	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	21.9		"	38.2		57.3	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	19.2		"	38.2		50.2	25-150				
<i>Surrogate: M2-6:2 FTS</i>	41.9		"	36.2		116	25-150				
<i>Surrogate: M2-8:2 FTS</i>	30.0		"	36.6		82.0	25-150				
<i>Surrogate: M9PFNA</i>	25.0		"	38.2		65.4	25-150				



PFAS Target compounds by LC/MS-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 BC10474 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC10474-MS2)	Matrix Spike	*Source sample: 21C0328-05RE1 (Matrix Spike)						Prepared: 03/08/2021 Analyzed: 03/11/2021			
Perfluorooctanesulfonic acid (PFOS)	1230	50.0	ng/L	74.1	540	938	25-150	High Bias			

Batch BC10476 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC10476-BLK1)	Blank	Prepared: 03/08/2021 Analyzed: 03/11/2021									

Perfluorobutanesulfonic acid (PFBS)	ND	0.493	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.493	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.493	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.493	"								
Perfluorooctanoic acid (PFOA)	ND	0.493	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.493	"								
Perfluorononanoic acid (PFNA)	ND	0.493	"								
Perfluorodecanoic acid (PFDA)	ND	0.493	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.493	"								
Perfluorododecanoic acid (PFDoA)	ND	0.493	"								
Perfluorotridecanoic acid (PFTDA)	ND	0.493	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.493	"								
N-MeFOSAA	ND	0.493	"								
N-EtFOSAA	ND	0.493	"								
Perfluoropentanoic acid (PFPeA)	ND	0.493	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.493	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.493	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.493	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.493	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.493	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.493	"								

Surrogate: M3PFBS	3.54	"	4.58	77.2	25-150
Surrogate: M5PFHxA	4.26	"	4.93	86.4	25-150
Surrogate: M4PFHpA	3.12	"	4.93	63.3	25-150
Surrogate: M3PFHxS	3.08	"	4.66	66.0	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.24	"	4.93	86.0	25-150
Surrogate: M6PFDA	4.41	"	4.93	89.4	25-150
Surrogate: M7PFUdA	3.41	"	4.93	69.3	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.27	"	4.93	66.3	25-150
Surrogate: M2PFTeDA	3.35	"	4.93	67.9	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.61	"	4.93	93.5	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.00	"	4.72	63.6	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.38	"	4.93	88.9	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	4.23	"	4.93	85.7	10-150
Surrogate: d3-N-MeFOSAA	2.55	"	4.93	51.7	25-150
Surrogate: d5-N-EtFOSAA	2.78	"	4.93	56.3	25-150
Surrogate: M2-6:2 FTS	3.28	"	4.68	70.2	25-150
Surrogate: M2-8:2 FTS	4.95	"	4.72	105	25-150
Surrogate: M9PFNA	5.65	"	4.93	115	25-150



PFAS Target compounds by LC/MS-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 BC10476 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BC10476-BS1)	LCS	Prepared: 03/08/2021 Analyzed: 03/11/2021									
Perfluorobutanesulfonic acid (PFBS)	4.30	0.477	ug/kg wet	4.22		102	50-130				
Perfluorohexanoic acid (PFHxA)	4.19	0.477	"	4.77		87.8	50-130				
Perfluoroheptanoic acid (PFHpA)	5.20	0.477	"	4.77		109	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.72	0.477	"	4.35		131	50-130	High Bias			
Perfluorooctanoic acid (PFOA)	3.67	0.477	"	4.77		76.9	50-130				
Perfluorooctanesulfonic acid (PFOS)	7.12	0.477	"	4.42		161	50-130	High Bias			
Perfluorononanoic acid (PFNA)	3.63	0.477	"	4.77		76.0	50-130				
Perfluorodecanoic acid (PFDA)	3.89	0.477	"	4.77		81.6	50-130				
Perfluoroundecanoic acid (PFUnA)	4.19	0.477	"	4.77		87.7	50-130				
Perfluorododecanoic acid (PFDoA)	4.35	0.477	"	4.77		91.2	50-130				
Perfluorotridecanoic acid (PFTDA)	3.93	0.477	"	4.77		82.4	50-130				
Perfluorotetradecanoic acid (PFTA)	4.58	0.477	"	4.77		96.0	50-130				
N-MeFOSAA	5.04	0.477	"	4.77		106	50-130				
N-EtFOSAA	4.60	0.477	"	4.77		96.4	50-130				
Perfluoropentanoic acid (PFPeA)	4.72	0.477	"	4.77		99.0	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.83	0.477	"	4.77		101	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.61	0.477	"	4.53		124	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	5.63	0.477	"	4.61		122	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	4.25	0.477	"	4.53		93.7	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.60	0.477	"	4.58		100	50-130				
Perfluoro-n-butanoic acid (PFBA)	4.92	0.477	"	4.77		103	50-130				
Surrogate: M3PFBS	3.71		"	4.43		83.7	25-150				
Surrogate: M5PFHxA	4.15		"	4.77		86.9	25-150				
Surrogate: M4PFHpA	3.19		"	4.77		66.8	25-150				
Surrogate: M3PFHxS	3.26		"	4.51		72.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.25		"	4.77		89.0	25-150				
Surrogate: M6PFDA	4.24		"	4.77		88.8	25-150				
Surrogate: M7PFUdA	3.53		"	4.77		74.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDdA)	3.46		"	4.77		72.4	25-150				
Surrogate: M2PFTeDA	3.51		"	4.77		73.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.53		"	4.77		94.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.84		"	4.57		62.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.27		"	4.77		89.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.77		"	4.77		79.1	10-150				
Surrogate: d3-N-MeFOSAA	2.98		"	4.77		62.5	25-150				
Surrogate: d5-N-EtFOSAA	2.85		"	4.77		59.7	25-150				
Surrogate: M2-6:2 FTS	3.34		"	4.53		73.7	25-150				
Surrogate: M2-8:2 FTS	4.43		"	4.57		97.0	25-150				
Surrogate: M9PFNA	5.74		"	4.77		120	25-150				



PFAS Target compounds by LC/MS-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 BC10476 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC10476-MS1)		Matrix Spike	*Source sample: 21C0328-03 (Matrix Spike)					Prepared: 03/08/2021 Analyzed: 03/11/2021			
Perfluorobutanesulfonic acid (PFBS)	4.31	0.478	ug/kg dry	4.23	ND	102	25-150				
Perfluorohexanoic acid (PFHxA)	4.37	0.478	"	4.78	ND	91.5	25-150				
Perfluoroheptanoic acid (PFHpA)	6.10	0.478	"	4.78	ND	128	25-150				
Perfluorohexanesulfonic acid (PFHxS)	5.76	0.478	"	4.36	ND	132	25-150				
Perfluorooctanoic acid (PFOA)	3.94	0.478	"	4.78	ND	82.5	25-150				
Perfluorooctanesulfonic acid (PFOS)	7.04	0.478	"	4.42	ND	159	25-150	High Bias			
Perfluorononanoic acid (PFNA)	3.96	0.478	"	4.78	ND	82.8	25-150				
Perfluorodecanoic acid (PFDA)	4.17	0.478	"	4.78	ND	87.3	25-150				
Perfluoroundecanoic acid (PFUnA)	5.19	0.478	"	4.78	ND	109	25-150				
Perfluorododecanoic acid (PFDoA)	4.55	0.478	"	4.78	ND	95.2	25-150				
Perfluorotridecanoic acid (PFTriDA)	3.07	0.478	"	4.78	ND	64.2	25-150				
Perfluorotetradecanoic acid (PFTA)	5.27	0.478	"	4.78	ND	110	25-150				
N-MeFOSAA	5.61	0.478	"	4.78	ND	118	25-150				
N-EtFOSAA	4.40	0.478	"	4.78	ND	92.2	25-150				
Perfluoropentanoic acid (PFPeA)	5.33	0.478	"	4.78	ND	112	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.70	0.478	"	4.78	ND	98.3	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.14	0.478	"	4.54	ND	113	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.24	0.478	"	4.61	ND	114	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.73	0.478	"	4.54	ND	104	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.40	0.478	"	4.59	ND	95.9	25-150				
Perfluoro-n-butanoic acid (PFBA)	5.65	0.478	"	4.78	ND	118	25-150				
Surrogate: M3PFBS	3.76		"	4.44		84.7	25-150				
Surrogate: M5PFHxA	4.23		"	4.78		88.5	25-150				
Surrogate: M4PFHpA	2.65		"	4.78		55.5	25-150				
Surrogate: M3PFHxS	3.02		"	4.52		66.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.86		"	4.78		80.9	25-150				
Surrogate: M6PFDA	2.76		"	4.78		57.8	25-150				
Surrogate: M7PFUdA	2.42		"	4.78		50.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.21		"	4.78		46.3	25-150				
Surrogate: M2PFTeDA	1.67		"	4.78		35.0	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.57		"	4.78		95.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.54		"	4.57		55.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.98		"	4.78		83.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.89		"	4.78		60.5	10-150				
Surrogate: d3-N-MeFOSAA	1.83		"	4.78		38.3	25-150				
Surrogate: d5-N-EtFOSAA	2.03		"	4.78		42.5	25-150				
Surrogate: M2-6:2 FTS	3.04		"	4.53		67.1	25-150				
Surrogate: M2-8:2 FTS	3.71		"	4.58		81.0	25-150				
Surrogate: M9PFNA	4.46		"	4.78		93.3	25-150				



PFAS Target compounds by LC/MS-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 BC10476 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC10476-MS2)		Matrix Spike	*Source sample: 21C0344-02 (SB03 0-0.5)				Prepared: 03/08/2021 Analyzed: 03/11/2021				
Perfluorobutanesulfonic acid (PFBS)	6.24	0.587	ug/kg dry	5.19	ND	120	25-150				
Perfluorohexanoic acid (PFHxA)	6.69	0.587	"	5.87	ND	114	25-150				
Perfluoroheptanoic acid (PFHpA)	8.08	0.587	"	5.87	ND	138	25-150				
Perfluorohexanesulfonic acid (PFHxS)	8.19	0.587	"	5.35	ND	153	25-150	High Bias			
Perfluorooctanoic acid (PFOA)	5.42	0.587	"	5.87	ND	92.4	25-150				
Perfluorooctanesulfonic acid (PFOS)	10.0	0.587	"	5.43	ND	184	25-150	High Bias			
Perfluorononanoic acid (PFNA)	5.36	0.587	"	5.87	ND	91.4	25-150				
Perfluorodecanoic acid (PFDA)	5.85	0.587	"	5.87	ND	99.7	25-150				
Perfluoroundecanoic acid (PFUnA)	6.25	0.587	"	5.87	ND	107	25-150				
Perfluorododecanoic acid (PFDoA)	6.49	0.587	"	5.87	ND	111	25-150				
Perfluorotridecanoic acid (PFTDA)	4.55	0.587	"	5.87	ND	77.5	25-150				
Perfluorotetradecanoic acid (PFTA)	6.66	0.587	"	5.87	ND	113	25-150				
N-MeFOSAA	7.83	0.587	"	5.87	ND	133	25-150				
N-EtFOSAA	6.66	0.587	"	5.87	ND	114	25-150				
Perfluoropentanoic acid (PFPeA)	7.19	0.587	"	5.87	ND	122	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	6.93	0.587	"	5.87	ND	118	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	8.20	0.587	"	5.58	ND	147	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	6.08	0.587	"	5.66	ND	107	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.51	0.587	"	5.58	ND	98.8	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	7.62	0.587	"	5.63	ND	135	25-150				
Perfluoro-n-butanoic acid (PFBA)	7.90	0.587	"	5.87	ND	135	25-150				
Surrogate: M3PFBS	4.21		"	5.45		77.2	25-150				
Surrogate: M5PFHxA	4.39		"	5.87		74.9	25-150				
Surrogate: M4PFHpA	3.34		"	5.87		56.9	25-150				
Surrogate: M3PFHxS	3.64		"	5.55		65.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.88		"	5.87		83.1	25-150				
Surrogate: M6PFDA	3.34		"	5.87		56.9	25-150				
Surrogate: M7PFUdA	2.91		"	5.87		49.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.97		"	5.87		50.6	25-150				
Surrogate: M2PFTeDA	2.95		"	5.87		50.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	5.13		"	5.87		87.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.96		"	5.62		52.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.55		"	5.87		77.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.64		"	5.87		45.0	10-150				
Surrogate: d3-N-MeFOSAA	1.88		"	5.87		32.1	25-150				
Surrogate: d5-N-EtFOSAA	2.10		"	5.87		35.9	25-150				
Surrogate: M2-6:2 FTS	5.00		"	5.57		89.7	25-150				
Surrogate: M2-8:2 FTS	4.62		"	5.62		82.2	25-150				
Surrogate: M9PFNA	5.23		"	5.87		89.1	25-150				



PFAS Target compounds by LC/MS-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 BC10476 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC10476-1) Matrix Spike Dup						Source sample: 21C0328-03 (Matrix Spike Dup)						Prepared: 03/08/2021 Analyzed: 03/11/2021	
Perfluorobutanesulfonic acid (PFBS)	4.72	0.507	ug/kg dry	4.49	ND	105	25-150		8.96	35			
Perfluorohexanoic acid (PFHxA)	4.75	0.507	"	5.07	ND	93.6	25-150		8.29	35			
Perfluoroheptanoic acid (PFHpA)	6.83	0.507	"	5.07	ND	135	25-150		11.3	35			
Perfluorohexanesulfonic acid (PFHxS)	6.42	0.507	"	4.63	ND	139	25-150		10.9	35			
Perfluorooctanoic acid (PFOA)	4.49	0.507	"	5.07	ND	88.5	25-150		13.0	35			
Perfluorooctanesulfonic acid (PFOS)	8.14	0.507	"	4.70	ND	173	25-150	High Bias	14.5	35			
Perfluorononanoic acid (PFNA)	4.29	0.507	"	5.07	ND	84.6	25-150		8.11	35			
Perfluorodecanoic acid (PFDA)	4.40	0.507	"	5.07	ND	86.8	25-150		5.46	35			
Perfluoroundecanoic acid (PFUnA)	5.16	0.507	"	5.07	ND	102	25-150		0.602	35			
Perfluorododecanoic acid (PFDoA)	4.96	0.507	"	5.07	ND	97.7	25-150		8.60	35			
Perfluorotridecanoic acid (PFTriDA)	4.17	0.507	"	5.07	ND	82.2	25-150		30.4	35			
Perfluorotetradecanoic acid (PFTA)	5.41	0.507	"	5.07	ND	107	25-150		2.74	35			
N-MeFOSAA	6.25	0.507	"	5.07	ND	123	25-150		10.7	35			
N-EtFOSAA	5.46	0.507	"	5.07	ND	108	25-150		21.3	35			
Perfluoropentanoic acid (PFPeA)	5.67	0.507	"	5.07	ND	112	25-150		6.17	35			
Perfluoro-1-octanesulfonamide (FOSA)	5.47	0.507	"	5.07	ND	108	25-150		15.1	35			
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.01	0.507	"	4.82	ND	125	25-150		15.7	35			
Perfluoro-1-decanesulfonic acid (PFDS)	5.71	0.507	"	4.90	ND	117	25-150		8.61	35			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	6.14	0.507	"	4.82	ND	127	25-150		26.0	35			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.36	0.507	"	4.87	ND	110	25-150		19.6	35			
Perfluoro-n-butanoic acid (PFBA)	6.12	0.507	"	5.07	ND	121	25-150		7.97	35			
Surrogate: M3PFBS	4.19		"	4.71		88.8	25-150						
Surrogate: M5PFHxA	4.61		"	5.07		90.8	25-150						
Surrogate: M4PFHpA	2.73		"	5.07		53.8	25-150						
Surrogate: M3PFHxS	3.24		"	4.80		67.5	25-150						
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	3.95		"	5.07		77.9	25-150						
Surrogate: M6PFDA	3.12		"	5.07		61.4	25-150						
Surrogate: M7PFUdA	2.80		"	5.07		55.1	25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.78		"	5.07		54.8	25-150						
Surrogate: M2PFTeDA	2.98		"	5.07		58.7	10-150						
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.95		"	5.07		97.5	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.78		"	4.86		57.2	25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.35		"	5.07		85.8	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.91		"	5.07		57.4	10-150						
Surrogate: d3-N-MeFOSAA	2.04		"	5.07		40.1	25-150						
Surrogate: d5-N-EtFOSAA	2.22		"	5.07		43.7	25-150						
Surrogate: M2-6:2 FTS	2.55		"	4.81		53.1	25-150						
Surrogate: M2-8:2 FTS	3.38		"	4.86		69.6	25-150						
Surrogate: M9PFNA	4.86		"	5.07		95.7	25-150						



PFAS Target compounds by LC/MS-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 BC10476 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC10476-1) Matrix Spike Dup						Source sample: 21C0344-02 (SB03 0-0.5)						Prepared: 03/08/2021 Analyzed: 03/11/2021	
Perfluorobutanesulfonic acid (PFBS)	5.37	0.558	ug/kg dry	4.94	ND	109	25-150		15.0	35			
Perfluorohexanoic acid (PFHxA)	5.29	0.558	"	5.58	ND	94.7	25-150		23.3	35			
Perfluoroheptanoic acid (PFHpA)	6.99	0.558	"	5.58	ND	125	25-150		14.5	35			
Perfluorohexanesulfonic acid (PFHxS)	7.40	0.558	"	5.09	ND	145	25-150		10.1	35			
Perfluorooctanoic acid (PFOA)	4.87	0.558	"	5.58	ND	87.1	25-150		10.8	35			
Perfluorooctanesulfonic acid (PFOS)	8.72	0.558	"	5.17	ND	169	25-150	High Bias	13.9	35			
Perfluorononanoic acid (PFNA)	4.75	0.558	"	5.58	ND	85.0	25-150		12.2	35			
Perfluorodecanoic acid (PFDA)	5.09	0.558	"	5.58	ND	91.1	25-150		14.0	35			
Perfluoroundecanoic acid (PFUnA)	6.04	0.558	"	5.58	ND	108	25-150		3.44	35			
Perfluorododecanoic acid (PFDoA)	5.80	0.558	"	5.58	ND	104	25-150		11.1	35			
Perfluorotridecanoic acid (PFTriDA)	3.53	0.558	"	5.58	ND	63.3	25-150		25.1	35			
Perfluorotetradecanoic acid (PFTA)	6.12	0.558	"	5.58	ND	110	25-150		8.37	35			
N-MeFOSAA	6.61	0.558	"	5.58	ND	118	25-150		16.9	35			
N-EtFOSAA	5.07	0.558	"	5.58	ND	90.8	25-150		27.1	35			
Perfluoropentanoic acid (PFPeA)	6.37	0.558	"	5.58	ND	114	25-150		12.0	35			
Perfluoro-1-octanesulfonamide (FOSA)	6.09	0.558	"	5.58	ND	109	25-150		12.9	35			
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.89	0.558	"	5.30	ND	130	25-150		17.4	35			
Perfluoro-1-decanesulfonic acid (PFDS)	5.00	0.558	"	5.39	ND	92.8	25-150		19.5	35			
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.97	0.558	"	5.30	ND	112	25-150		8.01	35			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	6.68	0.558	"	5.36	ND	125	25-150		13.2	35			
Perfluoro-n-butanoic acid (PFBA)	7.58	0.558	"	5.58	ND	136	25-150		4.18	35			
Surrogate: M3PFBS	3.55		"	5.19		68.5	25-150						
Surrogate: M5PFHxA	4.28		"	5.58		76.6	25-150						
Surrogate: M4PFHpA	3.06		"	5.58		54.8	25-150						
Surrogate: M3PFHxS	3.08		"	5.28		58.4	25-150						
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.48		"	5.58		80.2	25-150						
Surrogate: M6PFDA	3.34		"	5.58		59.8	25-150						
Surrogate: M7PFUdA	2.77		"	5.58		49.6	25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	2.81		"	5.58		50.4	25-150						
Surrogate: M2PFTeDA	2.22		"	5.58		39.8	10-150						
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.14		"	5.58		74.2	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	2.76		"	5.34		51.7	25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	3.85		"	5.58		69.0	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.20		"	5.58		39.3	10-150						
Surrogate: d3-N-MeFOSAA	1.79		"	5.58		32.0	25-150						
Surrogate: d5-N-EtFOSAA	2.23		"	5.58		39.9	25-150						
Surrogate: M2-6:2 FTS	3.76		"	5.30		71.0	25-150						
Surrogate: M2-8:2 FTS	4.76		"	5.35		88.9	25-150						
Surrogate: M9PFNA	4.56		"	5.58		81.6	25-150						



Organochlorine Pesticides by GC/ECD - 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 BC10523 - EPA 3550C

Blank (BC10523-BLK1)	Blank		Prepared: 03/09/2021 Analyzed: 03/12/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0487		"	0.0664		73.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0575		"	0.0664		86.5	30-150				

LCS (BC10523-BS1)	LCS		Prepared: 03/09/2021 Analyzed: 03/12/2021								
4,4'-DDD	0.0431	0.00164	mg/kg wet	0.0332		130	40-140				
4,4'-DDE	0.0391	0.00164	"	0.0332		118	40-140				
4,4'-DDT	0.0243	0.00164	"	0.0332		73.3	40-140				
Aldrin	0.0373	0.00164	"	0.0332		112	40-140				
alpha-BHC	0.0342	0.00164	"	0.0332		103	40-140				
alpha-Chlordane	0.0358	0.00164	"	0.0332		108	40-140				
beta-BHC	0.0317	0.00164	"	0.0332		95.5	40-140				
delta-BHC	0.0360	0.00164	"	0.0332		108	40-140				
Dieldrin	0.0373	0.00164	"	0.0332		112	40-140				
Endosulfan I	0.0439	0.00164	"	0.0332		132	40-140				
Endosulfan II	0.0396	0.00164	"	0.0332		119	40-140				
Endosulfan sulfate	0.0390	0.00164	"	0.0332		117	40-140				
Endrin	0.0317	0.00164	"	0.0332		95.4	40-140				
Endrin aldehyde	0.0377	0.00164	"	0.0332		114	40-140				
Endrin ketone	0.0390	0.00164	"	0.0332		117	40-140				
gamma-BHC (Lindane)	0.0350	0.00164	"	0.0332		105	40-140				
gamma-Chlordane	0.0373	0.00164	"	0.0332		112	40-140				
Heptachlor	0.0369	0.00164	"	0.0332		111	40-140				
Heptachlor epoxide	0.0382	0.00164	"	0.0332		115	40-140				
Methoxychlor	0.0213	0.00164	"	0.0332		64.2	40-140				
Surrogate: Decachlorobiphenyl	0.0560		"	0.0664		84.3	30-150				
Surrogate: Tetrachloro-m-xylene	0.0532		"	0.0664		80.1	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC10523 - EPA 3550C

Matrix Spike (BC10523-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03 0-0.5)						Prepared: 03/09/2021 Analyzed: 03/16/2021			
4,4'-DDD	0.0574	0.00197	mg/kg dry	0.0398	ND	144	30-150				
4,4'-DDE	0.0436	0.00197	"	0.0398	ND	109	30-150				
4,4'-DDT	0.0371	0.00197	"	0.0398	ND	93.2	30-150				
Aldrin	0.0441	0.00197	"	0.0398	ND	111	30-150				
alpha-BHC	0.0446	0.00197	"	0.0398	ND	112	30-150				
alpha-Chlordane	0.0420	0.00197	"	0.0398	ND	106	30-150				
beta-BHC	0.0495	0.00197	"	0.0398	ND	124	30-150				
delta-BHC	0.0389	0.00197	"	0.0398	ND	97.8	30-150				
Dieldrin	0.0478	0.00197	"	0.0398	ND	120	30-150				
Endosulfan I	0.0490	0.00197	"	0.0398	ND	123	30-150				
Endosulfan II	0.0542	0.00197	"	0.0398	ND	136	30-150				
Endosulfan sulfate	0.0492	0.00197	"	0.0398	ND	123	30-150				
Endrin	0.0437	0.00197	"	0.0398	ND	110	30-150				
Endrin aldehyde	0.0436	0.00197	"	0.0398	ND	110	30-150				
Endrin ketone	0.0518	0.00197	"	0.0398	ND	130	30-150				
gamma-BHC (Lindane)	0.0431	0.00197	"	0.0398	ND	108	30-150				
gamma-Chlordane	0.0475	0.00197	"	0.0398	ND	119	30-150				
Heptachlor	0.0477	0.00197	"	0.0398	ND	120	30-150				
Heptachlor epoxide	0.0465	0.00197	"	0.0398	ND	117	30-150				
Methoxychlor	0.0408	0.00197	"	0.0398	ND	102	30-150				
Surrogate: Decachlorobiphenyl	0.0855		"	0.0796		107	30-150				
Surrogate: Tetrachloro-m-xylene	0.0488		"	0.0796		61.2	30-150				

Matrix Spike Dup (BC10523-1)	Matrix Spike Dup	*Source sample: 21C0344-02 (SB03 0-0.5)						Prepared: 03/09/2021 Analyzed: 03/16/2021			
4,4'-DDD	0.0662	0.00197	mg/kg dry	0.0398	ND	166	30-150	High Bias	14.3	30	
4,4'-DDE	0.0506	0.00197	"	0.0398	ND	127	30-150		15.0	30	
4,4'-DDT	0.0539	0.00197	"	0.0398	ND	135	30-150		36.9	30	Non-dir.
Aldrin	0.0557	0.00197	"	0.0398	ND	140	30-150		23.3	30	
alpha-BHC	0.0550	0.00197	"	0.0398	ND	138	30-150		20.8	30	
alpha-Chlordane	0.0525	0.00197	"	0.0398	ND	132	30-150		22.2	30	
beta-BHC	0.0555	0.00197	"	0.0398	ND	139	30-150		11.5	30	
delta-BHC	0.0535	0.00197	"	0.0398	ND	134	30-150		31.6	30	Non-dir.
Dieldrin	0.0609	0.00197	"	0.0398	ND	153	30-150	High Bias	24.2	30	
Endosulfan I	0.0594	0.00197	"	0.0398	ND	149	30-150		19.2	30	
Endosulfan II	0.0636	0.00197	"	0.0398	ND	160	30-150	High Bias	15.9	30	
Endosulfan sulfate	0.0648	0.00197	"	0.0398	ND	163	30-150	High Bias	27.5	30	
Endrin	0.0603	0.00197	"	0.0398	ND	151	30-150	High Bias	32.0	30	Non-dir.
Endrin aldehyde	0.0493	0.00197	"	0.0398	ND	124	30-150		12.3	30	
Endrin ketone	0.0654	0.00197	"	0.0398	ND	164	30-150	High Bias	23.3	30	
gamma-BHC (Lindane)	0.0553	0.00197	"	0.0398	ND	139	30-150		24.8	30	
gamma-Chlordane	0.0579	0.00197	"	0.0398	ND	146	30-150		19.7	30	
Heptachlor	0.0620	0.00197	"	0.0398	ND	156	30-150	High Bias	26.1	30	
Heptachlor epoxide	0.0539	0.00197	"	0.0398	ND	135	30-150		14.8	30	
Methoxychlor	0.0625	0.00197	"	0.0398	ND	157	30-150	High Bias	42.0	30	Non-dir.
Surrogate: Decachlorobiphenyl	0.105		"	0.0796		132	30-150				
Surrogate: Tetrachloro-m-xylene	0.0616		"	0.0796		77.4	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

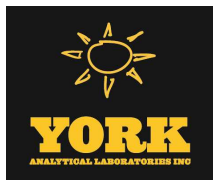
York Analytical Laboratories, Inc.

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

Batch BC10649 - EPA SW846-3510C Low Level

Blank (BC10649-BLK1)	Blank		Prepared: 03/11/2021 Analyzed: 03/12/2021								
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.112</i>		<i>"</i>	<i>0.200</i>		<i>56.2</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.141</i>		<i>"</i>	<i>0.200</i>		<i>70.3</i>	<i>30-150</i>				

LCS (BC10649-BS1)	LCS		Prepared: 03/11/2021 Analyzed: 03/12/2021								
4,4'-DDD	0.117	0.00400	ug/L	0.100		117	40-140				
4,4'-DDE	0.0791	0.00400	"	0.100		79.1	40-140				
4,4'-DDT	0.0966	0.00400	"	0.100		96.6	40-140				
Aldrin	0.0823	0.00400	"	0.100		82.3	40-140				
alpha-BHC	0.0807	0.00400	"	0.100		80.7	40-140				
alpha-Chlordane	0.0749	0.00400	"	0.100		74.9	40-140				
beta-BHC	0.0840	0.00400	"	0.100		84.0	40-140				
delta-BHC	0.0941	0.00400	"	0.100		94.1	40-140				
Dieldrin	0.0931	0.00200	"	0.100		93.1	40-140				
Endosulfan I	0.0890	0.00400	"	0.100		89.0	40-140				
Endosulfan II	0.107	0.00400	"	0.100		107	40-140				
Endosulfan sulfate	0.107	0.00400	"	0.100		107	40-140				
Endrin	0.0930	0.00400	"	0.100		93.0	40-140				
Endrin aldehyde	0.101	0.0100	"	0.100		101	40-140				
Endrin ketone	0.119	0.0100	"	0.100		119	40-140				
gamma-BHC (Lindane)	0.0825	0.00400	"	0.100		82.5	40-140				
gamma-Chlordane	0.0831	0.0100	"	0.100		83.1	40-140				
Heptachlor	0.0908	0.00400	"	0.100		90.8	40-140				
Heptachlor epoxide	0.0911	0.00400	"	0.100		91.1	40-140				
Methoxychlor	0.103	0.00400	"	0.100		103	40-140				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.104</i>		<i>"</i>	<i>0.200</i>		<i>52.2</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.122</i>		<i>"</i>	<i>0.200</i>		<i>60.9</i>	<i>30-150</i>				



Organochlorine Pesticides by GC/ECD - 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 BC10649 - EPA SW846-3510C Low Level

LCS Dup (BC10649-BSD1) LCS Dup		Prepared: 03/11/2021 Analyzed: 03/12/2021									
4,4'-DDD	0.113	0.00400	ug/L	0.100		113	40-140		3.65	20	
4,4'-DDE	0.0811	0.00400	"	0.100		81.1	40-140		2.55	20	
4,4'-DDT	0.110	0.00400	"	0.100		110	40-140		12.8	20	
Aldrin	0.0832	0.00400	"	0.100		83.2	40-140		1.13	20	
alpha-BHC	0.0838	0.00400	"	0.100		83.8	40-140		3.80	20	
alpha-Chlordane	0.0777	0.00400	"	0.100		77.7	40-140		3.66	20	
beta-BHC	0.0997	0.00400	"	0.100		99.7	40-140		17.1	20	
delta-BHC	0.101	0.00400	"	0.100		101	40-140		7.44	20	
Dieldrin	0.0965	0.00200	"	0.100		96.5	40-140		3.60	20	
Endosulfan I	0.0912	0.00400	"	0.100		91.2	40-140		2.55	20	
Endosulfan II	0.109	0.00400	"	0.100		109	40-140		1.76	20	
Endosulfan sulfate	0.108	0.00400	"	0.100		108	40-140		0.800	20	
Endrin	0.102	0.00400	"	0.100		102	40-140		8.92	20	
Endrin aldehyde	0.0970	0.0100	"	0.100		97.0	40-140		4.43	20	
Endrin ketone	0.119	0.0100	"	0.100		119	40-140		0.117	20	
gamma-BHC (Lindane)	0.0879	0.00400	"	0.100		87.9	40-140		6.31	20	
gamma-Chlordane	0.0826	0.0100	"	0.100		82.6	40-140		0.550	20	
Heptachlor	0.0977	0.00400	"	0.100		97.7	40-140		7.36	20	
Heptachlor epoxide	0.0931	0.00400	"	0.100		93.1	40-140		2.17	20	
Methoxychlor	0.113	0.00400	"	0.100		113	40-140		8.97	20	
Surrogate: Decachlorobiphenyl	0.0981		"	0.200		49.1	30-150				
Surrogate: Tetrachloro-m-xylene	0.0663		"	0.200		33.1	30-150				

Batch Y0L0501 - BL00027

Performance Mix (Y0L0501-P Performance Mix		Prepared & Analyzed: 12/05/2020									
4,4'-DDD	4.16		ng/mL	0.00			0-200				
4,4'-DDE	1.04		"	0.00			0-200				
4,4'-DDT	182		"	200		91.2	0-200				
Endrin	97.9		"	100		97.9	0-200				
Endrin aldehyde	1.33		"	0.00			0-200				
Endrin ketone	2.35		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - 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 Y1C1217 - BB11219

Performance Mix (Y1C1217-F Performance Mix						Prepared & Analyzed: 03/11/2021					
4,4'-DDD	2.56		ng/mL	0.00			0-200				
4,4'-DDE	2.51		"	0.00			0-200				
4,4'-DDT	175		"	200		87.3	0-200				
Endrin	118		"	100		118	0-200				
Endrin aldehyde	2.13		"	0.00			0-200				
Endrin ketone	13.4		"	0.00			0-200				

Batch Y1C1503 - BC10491

Performance Mix (Y1C1503-F Performance Mix						Prepared & Analyzed: 03/12/2021					
4,4'-DDD	3.06		ng/mL	0.00			0-200				
4,4'-DDE	2.44		"	0.00			0-200				
4,4'-DDT	176		"	200		88.2	0-200				
Endrin	127		"	100		127	0-200				
Endrin aldehyde	1.85		"	0.00			0-200				
Endrin ketone	15.9		"	0.00			0-200				

Batch Y1C1619 - BC10491

Performance Mix (Y1C1619-F Performance Mix						Prepared & Analyzed: 03/15/2021					
4,4'-DDD	4.49		ng/mL	0.00			0-200				
4,4'-DDE	1.29		"	0.00			0-200				
4,4'-DDT	159		"	200		79.4	0-200				
Endrin	129		"	100		129	0-200				
Endrin aldehyde	2.18		"	0.00			0-200				
Endrin ketone	20.4		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - 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 Y1C1619 - BC10491

Performance Mix (Y1C1619-F Performance Mix

Prepared & Analyzed: 03/15/2021

4,4'-DDD	3.58		ng/mL	0.00			0-200				
4,4'-DDE	1.46		"	0.00			0-200				
4,4'-DDT	181		"	200		90.6	0-200				
Endrin	135		"	100		135	0-200				
Endrin aldehyde	2.93		"	0.00			0-200				
Endrin ketone	22.5		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BC10523 - EPA 3550C											
Blank (BC10523-BLK2)	Blank										Prepared: 03/09/2021 Analyzed: 03/10/2021
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0555		"	0.0664		83.5	30-120				
Surrogate: Decachlorobiphenyl	0.0445		"	0.0664		67.0	30-120				
LCS (BC10523-BS2)	LCS										Prepared: 03/09/2021 Analyzed: 03/10/2021
Aroclor 1016	0.223	0.0166	mg/kg wet	0.332		67.2	40-130				
Aroclor 1260	0.235	0.0166	"	0.332		70.8	40-130				
Surrogate: Tetrachloro-m-xylene	0.0485		"	0.0664		73.0	30-120				
Surrogate: Decachlorobiphenyl	0.0405		"	0.0664		61.0	30-120				
Matrix Spike (BC10523-MS2)	Matrix Spike	*Source sample: 21C0344-02 (SB03_0-0.5)								Prepared: 03/09/2021 Analyzed: 03/10/2021	
Aroclor 1016	0.256	0.0199	mg/kg dry	0.398	ND	64.3	40-140				
Aroclor 1260	0.307	0.0199	"	0.398	ND	77.1	40-140				
Surrogate: Tetrachloro-m-xylene	0.0641		"	0.0796		80.5	30-120				
Surrogate: Decachlorobiphenyl	0.0502		"	0.0796		63.0	30-120				
Matrix Spike Dup (BC10523-1)	Matrix Spike Dup	*Source sample: 21C0344-02 (SB03_0-0.5)								Prepared: 03/09/2021 Analyzed: 03/10/2021	
Aroclor 1016	0.203	0.0199	mg/kg dry	0.398	ND	51.1	40-140		22.9	50	
Aroclor 1260	0.256	0.0199	"	0.398	ND	64.2	40-140		18.3	50	
Surrogate: Tetrachloro-m-xylene	0.0581		"	0.0796		73.0	30-120				
Surrogate: Decachlorobiphenyl	0.0442		"	0.0796		55.5	30-120				



Polychlorinated Biphenyls by GC/ECD - 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 BC10649 - EPA SW846-3510C Low Level

Blank (BC10649-BLK2)	Blank								Prepared & Analyzed: 03/11/2021		
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1262	ND	0.0500	"								
Aroclor 1268	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.153		"	0.200		76.5	30-120				
Surrogate: Decachlorobiphenyl	0.0820		"	0.200		41.0	30-120				

LCS (BC10649-BS2)	LCS								Prepared & Analyzed: 03/11/2021		
Aroclor 1016	1.08	0.0500	ug/L	1.00		108	40-120				
Aroclor 1260	1.07	0.0500	"	1.00		107	40-120				
Surrogate: Tetrachloro-m-xylene	0.161		"	0.200		80.5	30-120				
Surrogate: Decachlorobiphenyl	0.112		"	0.200		56.0	30-120				

LCS Dup (BC10649-BSD2)	LCS Dup								Prepared & Analyzed: 03/11/2021		
Aroclor 1016	0.939	0.0500	ug/L	1.00		93.9	40-120		13.6	30	
Aroclor 1260	0.885	0.0500	"	1.00		88.5	40-120		18.5	30	
Surrogate: Tetrachloro-m-xylene	0.134		"	0.200		67.0	30-120				
Surrogate: Decachlorobiphenyl	0.0930		"	0.200		46.5	30-120				

Batch Y1C1043 - BC10607

Aroclor Reference (Y1C1043-)	Aroclor Reference								Prepared & Analyzed: 03/10/2021		
Surrogate: Tetrachloro-m-xylene	0.196		ug/mL	0.200		98.0					
Surrogate: Decachlorobiphenyl	0.166		"	0.200		83.0					



Polychlorinated Biphenyls by GC/ECD - 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 Y1C1127 - BC10712

Aroclor Reference (Y1C1127-) Aroclor Reference

Prepared & Analyzed: 03/11/2021

Surrogate: Tetrachloro-m-xylene	0.207		ug/mL	0.200		104					
Surrogate: Decachlorobiphenyl	0.185		"	0.200		92.5					



Chlorinated Herbicides by GC/ECD - 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 BC10570 - EPA 8151A

Blank (BC10570-BLK1)	Blank								Prepared & Analyzed: 03/10/2021		
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	135		"	125		108	30-150				

LCS (BC10570-BS1)	LCS								Prepared & Analyzed: 03/10/2021		
2,4,5-T	24.5	5.00	ug/L	40.0		61.2	10-140				
2,4,5-TP (Silvex)	29.0	5.00	"	40.0		72.5	10-139				
2,4-D	27.8	5.00	"	40.0		69.4	10-140				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	127		"	125		102	30-150				

LCS Dup (BC10570-BSD1)	LCS Dup								Prepared & Analyzed: 03/10/2021		
2,4,5-T	27.2	5.00	ug/L	40.0		68.1	10-140		10.6	30	
2,4,5-TP (Silvex)	31.0	5.00	"	40.0		77.5	10-139		6.67	30	
2,4-D	30.5	5.00	"	40.0		76.2	10-140		9.44	30	

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	129		"	125		103	30-150				

Batch BC10646 - EPA 3550C/8151A

Blank (BC10646-BLK1)	Blank								Prepared & Analyzed: 03/11/2021		
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.332		"	0.417		79.6	21-150				

LCS (BC10646-BS1)	LCS								Prepared & Analyzed: 03/11/2021		
2,4,5-T	0.0808	0.0200	mg/kg wet	0.133		60.6	10-120				
2,4,5-TP (Silvex)	0.0875	0.0200	"	0.133		65.6	10-120				
2,4-D	0.0867	0.0200	"	0.133		65.0	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.364		"	0.417		87.4	21-150				



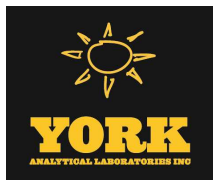
Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10646 - EPA 3550C/8151A

Matrix Spike (BC10646-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03_0-0.5)						Prepared & Analyzed: 03/11/2021			
2,4,5-T	0.0429	0.0240	mg/kg dry	0.160	ND	26.9	10-120				
2,4,5-TP (Silvex)	0.0639	0.0240	"	0.160	ND	40.0	10-120				
2,4-D	0.0439	0.0240	"	0.160	ND	27.5	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.286		"	0.499		57.2	21-150				
Matrix Spike Dup (BC10646-1)	Matrix Spike Dup	*Source sample: 21C0344-02 (SB03_0-0.5)						Prepared & Analyzed: 03/11/2021			
2,4,5-T	0.0260	0.0240	mg/kg dry	0.160	ND	16.3	10-120	49.3	35	Non-dir.	
2,4,5-TP (Silvex)	0.0429	0.0240	"	0.160	ND	26.9	10-120	39.3	35	Non-dir.	
2,4-D	0.0250	0.0240	"	0.160	ND	15.6	10-118	55.1	35	Non-dir.	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.290		"	0.499		58.0	21-150				



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

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

Batch BC10544 - EPA 3050B

Blank (BC10544-BLK1)	Blank										Prepared: 03/09/2021 Analyzed: 03/11/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	11.9	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	1.30	0.500	"									
Nickel	ND	1.00	"									
Potassium	20.3	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BC10544-DUP1)	Duplicate	*Source sample: 21C0344-02 (SB03_0-0.5)				Prepared: 03/09/2021 Analyzed: 03/11/2021			
Aluminum		9220	5.99	mg/kg dry	10700		14.7	35	Non-dir.
Antimony		ND	3.00	"	ND			35	
Arsenic		7.30	1.80	"	9.98		31.0	35	
Barium		215	3.00	"	231		7.20	35	
Beryllium		ND	0.060	"	ND			35	
Cadmium		0.706	0.359	"	0.604		15.6	35	
Calcium		95800	5.99	"	96700		0.969	35	
Chromium		33.2	0.599	"	33.5		0.953	35	
Cobalt		4.99	0.479	"	5.05		1.04	35	
Copper		153	2.40	"	31.7		131	35	
Iron		12800	30.0	"	18100		34.2	35	
Lead		49.6	0.599	"	43.3		13.5	35	
Magnesium		12400	5.99	"	12400		0.217	35	
Manganese		296	0.599	"	381		25.1	35	
Nickel		23.6	1.20	"	20.8		13.0	35	
Potassium		1070	5.99	"	998		6.66	35	
Selenium		ND	3.00	"	ND			35	
Silver		ND	0.599	"	ND			35	
Sodium		351	59.9	"	404		13.9	35	
Thallium		ND	3.00	"	ND			35	
Vanadium		45.9	1.20	"	45.1		1.64	35	
Zinc		287	3.00	"	239		18.2	35	



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

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

Batch BC10544 - EPA 3050B

Matrix Spike (BC10544-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03_0-0.5)						Prepared: 03/09/2021 Analyzed: 03/11/2021			
Aluminum	10300	5.99	mg/kg dry	240	10700	NR	75-125	Low Bias			
Antimony	ND	3.00	"	30.0	ND		75-125	Low Bias			
Arsenic	247	1.80	"	240	9.98	98.8	75-125				
Barium	470	3.00	"	240	231	99.7	75-125				
Beryllium	4.48	0.060	"	5.99	ND	74.7	75-125	Low Bias			
Cadmium	6.24	0.359	"	5.99	0.604	94.1	75-125				
Calcium	112000	5.99	"	120	96700	NR	75-125	High Bias			
Chromium	54.2	0.599	"	24.0	33.5	86.2	75-125				
Cobalt	60.7	0.479	"	59.9	5.05	92.8	75-125				
Copper	60.5	2.40	"	30.0	31.7	96.0	75-125				
Iron	18600	30.0	"	120	18100	407	75-125	High Bias			
Lead	133	0.599	"	59.9	43.3	150	75-125	High Bias			
Magnesium	20600	5.99	"	120	12400	NR	75-125	High Bias			
Manganese	384	0.599	"	59.9	381	4.80	75-125	Low Bias			
Nickel	83.9	1.20	"	59.9	20.8	105	75-125				
Potassium	1160	5.99	"	120	998	137	75-125	High Bias			
Selenium	215	3.00	"	240	ND	89.8	75-125				
Silver	3.32	0.599	"	5.99	ND	55.4	75-125	Low Bias			
Sodium	508	59.9	"	120	404	87.1	75-125				
Thallium	208	3.00	"	240	ND	86.7	75-125				
Vanadium	106	1.20	"	59.9	45.1	101	75-125				
Zinc	248	3.00	"	59.9	239	14.7	75-125	Low Bias			

Post Spike (BC10544-PS1)	Post Spike	*Source sample: 21C0344-02 (SB03_0-0.5)						Prepared: 03/09/2021 Analyzed: 03/11/2021			
Aluminum	92.0		ug/mL	2.00	89.1	143	75-125	High Bias			
Antimony	0.241		"	0.250	-0.044	96.5	75-125				
Arsenic	2.18		"	2.00	0.083	105	75-125				
Barium	3.89		"	2.00	1.93	98.0	75-125				
Beryllium	0.038		"	0.0500	-0.013	75.5	75-125				
Cadmium	0.054		"	0.0500	0.005	98.4	75-125				
Calcium	805		"	1.00	807	NR	75-125	Low Bias			
Chromium	0.466		"	0.200	0.280	93.3	75-125				
Cobalt	0.535		"	0.500	0.042	98.6	75-125				
Copper	0.511		"	0.250	0.265	98.6	75-125				
Iron	152		"	1.00	151	158	75-125	High Bias			
Lead	0.869		"	0.500	0.362	102	75-125				
Magnesium	104		"	1.00	103	87.0	75-125				
Manganese	3.70		"	0.500	3.18	104	75-125				
Nickel	0.702		"	0.500	0.173	106	75-125				
Potassium	9.74		"	1.00	8.33	141	75-125	High Bias			
Selenium	1.90		"	2.00	-0.042	94.8	75-125				
Silver	-0.009		"	0.0500	-0.034		75-125	Low Bias			
Sodium	4.39		"	1.00	3.37	103	75-125				
Thallium	1.86		"	2.00	-0.070	93.1	75-125				
Vanadium	0.857		"	0.500	0.377	96.1	75-125				
Zinc	2.43		"	0.500	2.00	85.6	75-125				



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

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

Batch BC10544 - EPA 3050B

Reference (BC10544-SRM1)	Reference	Prepared: 03/09/2021 Analyzed: 03/11/2021									
Aluminum	9270	5.00	mg/kg wet	8190		113	50.5-150.1				
Antimony	68.8	2.50	"	110		62.5	19-251.7				
Arsenic	165	1.50	"	162		102	70.1-129.8				
Barium	142	2.50	"	138		103	75-125				
Beryllium	153	0.050	"	157		97.5	75-125.2				
Cadmium	131	0.300	"	135		97.1	74.8-125.2				
Calcium	4640	5.00	"	4790		97.0	72.7-127.5				
Chromium	112	0.500	"	117		95.6	70.1-129.9				
Cobalt	95.4	0.400	"	92.6		103	75-125				
Copper	140	2.00	"	143		98.1	75.3-125.3				
Iron	15400	25.0	"	15100		102	35.8-164.6				
Lead	74.3	0.500	"	77.6		95.7	70-130				
Magnesium	2430	5.00	"	2320		105	61.7-137.8				
Manganese	321	0.500	"	319		101	78.1-122				
Nickel	89.8	1.00	"	79.9		112	70.1-130.1				
Potassium	2170	5.00	"	2050		106	59.1-140.9				
Selenium	147	2.50	"	172		85.3	55.7-144.5				
Silver	22.9	0.500	"	24.7		92.9	69.2-130.8				
Sodium	158	50.0	"	137		115	36.1-163.3				
Thallium	81.4	2.50	"	88.0		92.5	65.3-146.8				
Vanadium	96.5	1.00	"	99.9		96.6	67-133.1				
Zinc	308	2.50	"	312		98.8	69.9-130.1				

Batch BC10674 - EPA 3015A

Blank (BC10674-BLK1)	Blank	Prepared: 03/11/2021 Analyzed: 03/12/2021									
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.0884	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								



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

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

Batch BC10674 - EPA 3015A

LCS (BC10674-BS1)	LCS	Prepared: 03/11/2021 Analyzed: 03/12/2021									
Aluminum	2.06		ug/mL	2.00		103	80-120				
Barium	2.05		"	2.00		103	80-120				
Calcium	1.05		"	1.00		105	80-120				
Chromium	0.196		"	0.200		97.9	80-120				
Cobalt	0.502		"	0.500		100	80-120				
Copper	0.247		"	0.250		99.0	80-120				
Iron	1.04		"	1.00		104	80-120				
Lead	0.516		"	0.500		103	80-120				
Magnesium	1.01		"	1.00		101	80-120				
Manganese	0.507		"	0.500		101	80-120				
Nickel	0.515		"	0.500		103	80-120				
Potassium	0.941		"	1.00		94.1	80-120				
Silver	0.0535		"	0.0500		107	80-120				
Sodium	0.999		"	1.00		99.9	80-120				
Vanadium	0.501		"	0.500		100	80-120				
Zinc	0.487		"	0.500		97.4	80-120				

Duplicate (BC10674-DUP1)	Duplicate	*Source sample: 21C0344-01 (SOFB02_030521)									
Aluminum	ND	0.0556	mg/L		ND						20
Barium	ND	0.0278	"		ND						20
Calcium	ND	0.0556	"		ND						20
Chromium	ND	0.00556	"		ND						20
Cobalt	ND	0.00444	"		ND						20
Copper	ND	0.0222	"		ND						20
Iron	ND	0.278	"		ND						20
Lead	ND	0.00556	"		ND						20
Magnesium	ND	0.0556	"		ND						20
Manganese	ND	0.00556	"		ND						20
Nickel	ND	0.0111	"		ND						20
Potassium	ND	0.0556	"		ND						20
Silver	ND	0.00556	"		ND						20
Sodium	ND	0.556	"		ND						20
Vanadium	ND	0.0111	"		ND						20
Zinc	ND	0.0278	"		ND						20



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

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

Batch BC10674 - EPA 3015A

Matrix Spike (BC10674-MS1)	Matrix Spike	*Source sample: 21C0344-01 (SOFB02_030521)						Prepared: 03/11/2021 Analyzed: 03/12/2021			
Aluminum	2.12	0.0556	mg/L	2.22	ND	95.6	75-125				
Barium	2.19	0.0278	"	2.22	ND	98.7	75-125				
Calcium	1.14	0.0556	"	1.11	ND	103	75-125				
Chromium	0.210	0.00556	"	0.222	ND	94.6	75-125				
Cobalt	0.549	0.00444	"	0.556	ND	98.8	75-125				
Copper	0.266	0.0222	"	0.278	ND	95.7	75-125				
Iron	1.08	0.278	"	1.11	ND	97.1	75-125				
Lead	0.552	0.00556	"	0.556	ND	99.4	75-125				
Magnesium	1.10	0.0556	"	1.11	ND	99.4	75-125				
Manganese	0.542	0.00556	"	0.556	ND	97.5	75-125				
Nickel	0.545	0.0111	"	0.556	ND	98.0	75-125				
Potassium	1.03	0.0556	"	1.11	ND	92.7	75-125				
Silver	0.0583	0.00556	"	0.0556	ND	105	75-125				
Sodium	0.976	0.556	"	1.11	ND	87.8	75-125				
Vanadium	0.536	0.0111	"	0.556	ND	96.5	75-125				
Zinc	0.530	0.0278	"	0.556	ND	95.4	75-125				

Post Spike (BC10674-PS1)	Post Spike	*Source sample: 21C0344-01 (SOFB02_030521)						Prepared: 03/11/2021 Analyzed: 03/12/2021			
Aluminum	2.12		ug/mL	2.00	0.0135	105	75-125				
Barium	2.16		"	2.00	0.000458	108	75-125				
Calcium	1.11		"	1.00	0.0362	107	75-125				
Chromium	0.206		"	0.200	0.000106	103	75-125				
Cobalt	0.539		"	0.500	-0.000873	108	75-125				
Copper	0.262		"	0.250	-0.000878	105	75-125				
Iron	1.04		"	1.00	0.0272	102	75-125				
Lead	0.551		"	0.500	-0.00313	110	75-125				
Magnesium	1.03		"	1.00	-0.0178	103	75-125				
Manganese	0.536		"	0.500	0.0000464	107	75-125				
Nickel	0.536		"	0.500	-0.00102	107	75-125				
Potassium	1.09		"	1.00	0.0135	107	75-125				
Silver	0.0250		"	0.0500	0.000156	49.6	75-125			Low Bias	
Sodium	1.00		"	1.00	0.00522	99.6	75-125				
Vanadium	0.526		"	0.500	0.000213	105	75-125				
Zinc	0.521		"	0.500	0.0101	102	75-125				



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

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

Batch BC11055 - EPA 3050B

Blank (BC11055-BLK1)	Blank										Prepared: 03/17/2021 Analyzed: 03/19/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	9.01	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BC11055-DUP1)	Duplicate	*Source sample: 21C0623-34 (Duplicate)				Prepared: 03/17/2021 Analyzed: 03/19/2021				
Aluminum		10800	5.83	mg/kg dry		10500		2.65	35	
Antimony		ND	2.92	"		ND			35	
Arsenic		4.27	1.75	"		4.48		4.60	35	
Barium		107	2.92	"		123		14.0	35	
Beryllium		ND	0.058	"		ND			35	
Cadmium		0.952	0.350	"		1.09		13.6	35	
Calcium		13700	5.83	"		23000		50.9	35	Non-dir.
Chromium		27.6	0.583	"		32.4		15.8	35	
Cobalt		10.0	0.467	"		10.7		6.80	35	
Copper		34.8	2.33	"		36.2		3.94	35	
Iron		23200	29.2	"		22500		3.12	35	
Lead		82.2	0.583	"		78.4		4.73	35	
Magnesium		6020	5.83	"		6160		2.23	35	
Manganese		357	0.583	"		568		45.5	35	Non-dir.
Nickel		25.1	1.17	"		29.6		16.4	35	
Potassium		2600	5.83	"		2990		13.9	35	
Selenium		ND	2.92	"		ND			35	
Silver		ND	0.583	"		ND			35	
Sodium		407	58.3	"		434		6.37	35	
Thallium		ND	2.92	"		ND			35	
Vanadium		27.3	1.17	"		27.0		1.07	35	
Zinc		124	2.92	"		139		11.4	35	



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

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

Batch BC11055 - EPA 3050B

Matrix Spike (BC11055-MS1)	Matrix Spike	*Source sample: 21C0623-34 (Matrix Spike)						Prepared: 03/17/2021 Analyzed: 03/19/2021			
Aluminum	8870	5.83	mg/kg dry	233	10500	NR	75-125	Low Bias			
Antimony	9.70	2.92	"	29.2	ND	33.3	75-125	Low Bias			
Arsenic	212	1.75	"	233	4.48	88.7	75-125				
Barium	340	2.92	"	233	123	92.8	75-125				
Beryllium	4.79	0.058	"	5.83	ND	82.0	75-125				
Cadmium	6.35	0.350	"	5.83	1.09	90.1	75-125				
Calcium	16700	5.83	"	117	23000	NR	75-125	Low Bias			
Chromium	46.9	0.583	"	23.3	32.4	62.2	75-125	Low Bias			
Cobalt	58.4	0.467	"	58.3	10.7	81.7	75-125				
Copper	67.1	2.33	"	29.2	36.2	106	75-125				
Iron	16800	29.2	"	117	22500	NR	75-125	Low Bias			
Lead	146	0.583	"	58.3	78.4	115	75-125				
Magnesium	4670	5.83	"	117	6160	NR	75-125	Low Bias			
Manganese	364	0.583	"	58.3	568	NR	75-125	Low Bias			
Nickel	71.2	1.17	"	58.3	29.6	71.3	75-125	Low Bias			
Potassium	2130	5.83	"	117	2990	NR	75-125	Low Bias			
Selenium	183	2.92	"	233	ND	78.3	75-125				
Silver	4.51	0.583	"	5.83	ND	77.4	75-125				
Sodium	430	58.3	"	117	434	NR	75-125	Low Bias			
Thallium	207	2.92	"	233	ND	88.6	75-125				
Vanadium	73.3	1.17	"	58.3	27.0	79.3	75-125				
Zinc	172	2.92	"	58.3	139	56.2	75-125	Low Bias			

Post Spike (BC11055-PS1)	Post Spike	*Source sample: 21C0623-34 (Post Spike)						Prepared: 03/17/2021 Analyzed: 03/19/2021			
Aluminum	92.7		ug/mL	2.00	90.3	118	75-125				
Antimony	0.316		"	0.250	-0.003	126	75-125	High Bias			
Arsenic	2.17		"	2.00	0.038	106	75-125				
Barium	3.13		"	2.00	1.06	104	75-125				
Beryllium	0.051		"	0.0500	-0.0007	101	75-125				
Cadmium	0.061		"	0.0500	0.009	103	75-125				
Calcium	197		"	1.00	197	41.8	75-125	Low Bias			
Chromium	0.477		"	0.200	0.278	99.4	75-125				
Cobalt	0.617		"	0.500	0.092	105	75-125				
Copper	0.562		"	0.250	0.310	101	75-125				
Iron	196		"	1.00	193	270	75-125	High Bias			
Lead	1.22		"	0.500	0.672	110	75-125				
Magnesium	54.6		"	1.00	52.8	179	75-125	High Bias			
Manganese	5.43		"	0.500	4.87	113	75-125				
Nickel	0.820		"	0.500	0.254	113	75-125				
Potassium	26.8		"	1.00	25.6	116	75-125				
Selenium	1.86		"	2.00	-0.120	93.1	75-125				
Silver	0.039		"	0.0500	-0.009	78.2	75-125				
Sodium	4.83		"	1.00	3.72	111	75-125				
Thallium	2.07		"	2.00	-0.036	104	75-125				
Vanadium	0.743		"	0.500	0.232	102	75-125				
Zinc	1.72		"	0.500	1.19	105	75-125				

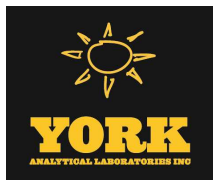


Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BC11055 - EPA 3050B

Reference (BC11055-SRM1)	Reference	Prepared: 03/17/2021 Analyzed: 03/19/2021									
Aluminum	9340	5.00	mg/kg wet	8190		114	50.5-150.1				
Antimony	82.7	2.50	"	110		75.1	19-251.7				
Arsenic	166	1.50	"	162		102	70.1-129.8				
Barium	143	2.50	"	138		103	75-125				
Beryllium	152	0.050	"	157		97.0	75-125.2				
Cadmium	132	0.300	"	135		98.1	74.8-125.2				
Calcium	4650	5.00	"	4790		97.2	72.7-127.5				
Chromium	111	0.500	"	117		95.3	70.1-129.9				
Cobalt	95.2	0.400	"	92.6		103	75-125				
Copper	137	2.00	"	143		96.1	75.3-125.3				
Iron	15100	25.0	"	15100		100	35.8-164.6				
Lead	75.4	0.500	"	77.6		97.2	70-130				
Magnesium	2410	5.00	"	2320		104	61.7-137.8				
Manganese	310	0.500	"	319		97.1	78.1-122				
Nickel	88.7	1.00	"	79.9		111	70.1-130.1				
Potassium	2340	5.00	"	2050		114	59.1-140.9				
Selenium	152	2.50	"	172		88.3	55.7-144.5				
Silver	22.9	0.500	"	24.7		92.9	69.2-130.8				
Sodium	122	50.0	"	137		88.8	36.1-163.3				
Thallium	87.8	2.50	"	88.0		99.7	65.3-146.8				
Vanadium	96.1	1.00	"	99.9		96.2	67-133.1				
Zinc	303	2.50	"	312		97.0	69.9-130.1				



Metals by ICP/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 BC10680 - EPA 3015A											
Blank (BC10680-BLK1)	Blank							Prepared & Analyzed: 03/11/2021			
Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								
LCS (BC10680-BS1)	LCS							Prepared & Analyzed: 03/11/2021			
Antimony	42.0		ug/L	50.0		84.0	80-120				
Arsenic	46.2		"	50.0		92.4	80-120				
Beryllium	45.1		"	50.0		90.2	80-120				
Cadmium	45.3		"	50.0		90.6	80-120				
Selenium	45.8		"	50.0		91.6	80-120				
Thallium	45.4		"	50.0		90.9	80-120				
Duplicate (BC10680-DUP1)	Duplicate	*Source sample: 21C0344-01 (SOFB02_030521)							Prepared & Analyzed: 03/11/2021		
Antimony	ND	1.11	ug/L		ND					20	
Arsenic	ND	1.11	"		ND					20	
Beryllium	ND	0.333	"		ND					20	
Cadmium	ND	0.556	"		ND					20	
Selenium	ND	1.11	"		ND					20	
Thallium	ND	1.11	"		ND					20	
Matrix Spike (BC10680-MS1)	Matrix Spike	*Source sample: 21C0344-01 (SOFB02_030521)							Prepared & Analyzed: 03/11/2021		
Antimony	41.2		ug/L	50.0	0.009	82.5	75-125				
Arsenic	45.5		"	50.0	0.055	90.9	75-125				
Beryllium	43.6		"	50.0	0.006	87.3	75-125				
Cadmium	44.9		"	50.0	0.002	89.8	75-125				
Selenium	43.1		"	50.0	0.361	85.5	75-125				
Thallium	44.2		"	50.0	0.023	88.3	75-125				



Mercury by EPA 7000/200 Series Methods - 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 BC10781 - EPA 7473 soil

Blank (BC10781-BLK1)	Blank								Prepared & Analyzed: 03/12/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC10781-DUP1)	Duplicate	*Source sample: 21C0344-02 (SB03_0-0.5)							Prepared & Analyzed: 03/12/2021		
Mercury	ND	0.0359	mg/kg dry		0.0401					35	
Duplicate (BC10781-DUP2)	Duplicate	*Source sample: 21C0516-06 (Duplicate)							Prepared & Analyzed: 03/12/2021		
Mercury	0.0784	0.0334	mg/kg dry		0.108					31.7	35
Matrix Spike (BC10781-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03_0-0.5)							Prepared & Analyzed: 03/12/2021		
Mercury	0.466		mg/kg	27.2	0.0335	1.59	75-125	Low Bias			
Matrix Spike (BC10781-MS2)	Matrix Spike	*Source sample: 21C0516-06 (Matrix Spike)							Prepared & Analyzed: 03/12/2021		
Mercury	0.488		mg/kg	27.2	0.0971	1.44	75-125	Low Bias			
Reference (BC10781-SRM1)	Reference								Prepared & Analyzed: 03/12/2021		
Mercury	36.960		mg/kg	27.2		136	59.9-140.1				

Batch BC10798 - EPA SW846-7470A

Blank (BC10798-BLK1)	Blank								Prepared & Analyzed: 03/12/2021		
Mercury	ND	0.0002	mg/L								
LCS (BC10798-BS1)	LCS								Prepared & Analyzed: 03/12/2021		
Mercury	0.002036	0.0002	mg/L	0.00200		102	80-120				
LCS (BC10798-BS2)	LCS								Prepared & Analyzed: 03/12/2021		
Mercury	0.002016	0.0002	mg/L	0.00200		101	80-120				



Mercury by EPA 7000/200 Series Methods - 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 BC11120 - EPA 7473 soil											
Blank (BC11120-BLK1)	Blank								Prepared: 03/18/2021	Analyzed: 03/19/2021	
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC11120-DUP1)	Duplicate	*Source sample: 21C0739-03 (Duplicate)							Prepared: 03/18/2021	Analyzed: 03/19/2021	
Mercury	0.0871	0.0327	mg/kg dry		0.103				16.8	35	
Matrix Spike (BC11120-MS1)	Matrix Spike	*Source sample: 21C0739-03 (Matrix Spike)							Prepared: 03/18/2021	Analyzed: 03/19/2021	
Mercury	0.509		mg/kg	0.500	0.0946	82.8	75-125				
Reference (BC11120-SRM1)	Reference								Prepared: 03/18/2021	Analyzed: 03/19/2021	
Mercury	28.890		mg/kg	27.2		106	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10480 - Analysis Preparation											
Blank (BC10480-BLK1)	Blank								Prepared & Analyzed: 03/08/2021		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BC10480-BS1)	LCS								Prepared & Analyzed: 03/08/2021		
Chromium, Hexavalent	0.494	0.0100	mg/L	0.500		98.8	80-120				
Duplicate (BC10480-DUP1)	Duplicate	*Source sample: 21C0379-01 (Duplicate)							Prepared & Analyzed: 03/08/2021		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BC10480-MS1)	Matrix Spike	*Source sample: 21C0379-01 (Matrix Spike)							Prepared & Analyzed: 03/08/2021		
Chromium, Hexavalent	0.233	0.0100	mg/L	0.500	ND	46.6	75-125	Low Bias			
Batch BC10534 - Analysis Preparation Soil											
Blank (BC10534-BLK1)	Blank								Prepared & Analyzed: 03/09/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BC10534-DUP1)	Duplicate	*Source sample: 21C0344-02 (SB03_0-0.5)							Prepared & Analyzed: 03/09/2021		
Cyanide, total	ND	0.599	mg/kg dry		ND					15	
Matrix Spike (BC10534-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03_0-0.5)							Prepared & Analyzed: 03/09/2021		
Cyanide, total	9.42	0.599	mg/kg dry	12.0	ND	78.6	79.6-107	Low Bias			
Reference (BC10534-SRM1)	Reference								Prepared & Analyzed: 03/09/2021		
Cyanide, total	106		ug/mL	91.9		115	42.22-159.96				
Batch BC10535 - EPA SW846-3060											
Blank (BC10535-BLK1)	Blank								Prepared & Analyzed: 03/09/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BC10535 - EPA SW846-3060

Duplicate (BC10535-DUP1)	Duplicate	*Source sample: 21C0344-02 (SB03_0-0.5)					Prepared & Analyzed: 03/09/2021				
Chromium, Hexavalent		ND	0.599	mg/kg dry		ND				35	
Matrix Spike (BC10535-MS1)	Matrix Spike	*Source sample: 21C0344-02 (SB03_0-0.5)					Prepared & Analyzed: 03/09/2021				
Chromium, Hexavalent		8.68	0.599	mg/kg dry	24.0	ND	36.2	75-125	Low Bias		
Reference (BC10535-SRM1)	Reference						Prepared & Analyzed: 03/09/2021				
Chromium, Hexavalent		102		mg/L	109		93.5	30-169.7			

Batch BC10734 - Analysis Preparation

Blank (BC10734-BLK1)	Blank						Prepared & Analyzed: 03/12/2021				
Cyanide, total		ND	0.0100	mg/L							
LCS (BC10734-BS1)	LCS						Prepared & Analyzed: 03/12/2021				
Cyanide, total		0.160	0.0100	mg/L	0.200		80.2	76.2-107			
Duplicate (BC10734-DUP1)	Duplicate	*Source sample: 21C0461-02 (Duplicate)					Prepared & Analyzed: 03/12/2021				
Cyanide, total		ND	0.0100	mg/L		ND				15	
Matrix Spike (BC10734-MS1)	Matrix Spike	*Source sample: 21C0461-02 (Matrix Spike)					Prepared & Analyzed: 03/12/2021				
Cyanide, total		ND	0.0100	mg/L	0.200	ND		79-105	Low Bias		



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10582 - % Solids Prep

Duplicate (BC10582-DUP1)	Duplicate	*Source sample: 21C0344-02 (SB03_0-0.5)					Prepared & Analyzed: 03/10/2021		
% Solids		80.9	0.100	%		83.5		3.06	20

Batch BC10913 - % Solids Prep

Duplicate (BC10913-DUP1)	Duplicate	*Source sample: 21C0672-11 (Duplicate)					Prepared & Analyzed: 03/16/2021		
% Solids		90.1	0.100	%		91.4		1.37	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0344-01	SOFB02_030521	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0344-02	SB03_0-0.5	40mL Vial with Stir Bar-Cool 4° C
21C0344-03	SB03_0.5-2	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0344-04	SB03_6-8	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0344-05	SB03_21-23	40mL Vial with Stir Bar-Cool 4° C
21C0344-06	SB11_0-2	40mL Vial with Stir Bar-Cool 4° C
21C0344-07	SB11_8-10	40mL Vial with Stir Bar-Cool 4° C
21C0344-08	SB11_17-19	40mL Vial with Stir Bar-Cool 4° C
21C0344-10	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%)
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).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-CRL	The RL check for this element recovered outside of control limits.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
S-08	The recovery of this surrogate was outside of QC limits.
M-SRD1	The serial dilution for this element was outside control limits.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogeneity of the sample versus the native sample
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

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.

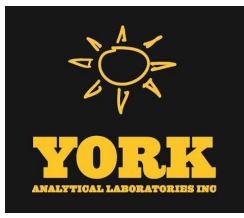
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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.

Revision Description: additional analysis on -04 and -08



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/12/2021

Client Project ID: 170430601

York Project (SDG) No.: 21C0350



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/12/2021
Client Project ID: 170430601
York Project (SDG) No.: 21C0350

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 05, 2021 and listed below. The project was identified as your project: **170430601**.

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>
21C0350-01	AA01_030521	Outdoor Ambient Ai	03/05/2021	03/05/2021
21C0350-02	SV12_030521	Soil Vapor	03/05/2021	03/05/2021
21C0350-03	SV06_030521	Soil Vapor	03/05/2021	03/05/2021
21C0350-04	SV05_030521	Soil Vapor	03/05/2021	03/05/2021
21C0350-05	SV02_030521	Soil Vapor	03/05/2021	03/05/2021
21C0350-06	SV07_030521	Soil Vapor	03/05/2021	03/05/2021
21C0350-07	SV08_030521	Soil Vapor	03/05/2021	03/05/2021

General Notes for York Project (SDG) No.: 21C0350

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: 03/12/2021





Sample Information

Client Sample ID: AA01_030521

York Sample ID: 21C0350-01

York Project (SDG) No.

21C0350

Client Project ID

170430601

Matrix

Outdoor Ambient Air

Collection Date/Time

March 5, 2021 12:12 pm

Date Received

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	0.61	0.891	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 06:44	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.49	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	0.61	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	0.68	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.49	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.36	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.088	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	0.66	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.44	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	0.68	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.54	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.36	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.41	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	0.62	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.44	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	0.59	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.54	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.41	0.891	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 06:44	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.54	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	0.64	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
78-93-3	2-Butanone	0.39		ug/m ³	0.26	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ



Sample Information

Client Sample ID: AA01_030521

York Sample ID: 21C0350-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Outdoor Ambient Air

March 5, 2021 12:12 pm

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	0.73	0.891	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 06:44	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	1.4	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.37	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
67-64-1	Acetone	2.4		ug/m ³	0.42	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.19	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
71-43-2	Benzene	0.46		ug/m ³	0.28	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.46	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	0.60	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-25-2	Bromoform	ND		ug/m ³	0.92	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.35	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.28	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
56-23-5	Carbon tetrachloride	0.45		ug/m ³	0.14	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.41	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.24	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.44	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
74-87-3	Chloromethane	0.98		ug/m ³	0.18	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.088	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	0.31	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	0.76	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-71-8	Dichlorodifluoromethane	2.2		ug/m ³	0.44	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	0.64	0.891	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 06:44	LLJ



Sample Information

Client Sample ID: AA01_030521

York Sample ID: 21C0350-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Outdoor Ambient Air

March 5, 2021 12:12 pm

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/m ³	0.39	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	0.95	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
67-63-0	Isopropanol	0.94		ug/m ³	0.44	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.36	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.32	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-09-2	Methylene chloride	2.0		ug/m ³	0.62	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
142-82-5	n-Heptane	ND		ug/m ³	0.37	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
110-54-3	n-Hexane	0.35		ug/m ³	0.31	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.39	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	0.77	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.44	0.891	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 06:44	LLJ
115-07-1	* Propylene	ND		ug/m ³	0.15	0.891	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 06:44	LLJ
100-42-5	Styrene	ND		ug/m ³	0.38	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
127-18-4	Tetrachloroethylene	0.79		ug/m ³	0.60	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.53	0.891	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 06:44	LLJ
108-88-3	Toluene	0.71		ug/m ³	0.34	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.35	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.40	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.12	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.2		ug/m ³	0.50	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.31	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.39	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ



Sample Information

Client Sample ID: AA01_030521

York Sample ID: 21C0350-01

York Project (SDG) No.

21C0350

Client Project ID

170430601

Matrix

Outdoor Ambient Air

Collection Date/Time

March 5, 2021 12:12 pm

Date Received

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	0.891	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 06:44	LLJ



Sample Information

Client Sample ID: SV12_030521

York Sample ID: 21C0350-02

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:20 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	4.3	6.232	EPA TO-15 Certifications:	03/10/2021 09:00	03/10/2021 19:50	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	3.4	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	4.3	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	4.8	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	3.4	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	2.5	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.62	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	4.6	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	3.1	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	4.8	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	3.7	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	2.5	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	2.9	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	4.4	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	3.1	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	4.1	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	3.7	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	2.9	6.232	EPA TO-15 Certifications:	03/10/2021 09:00	03/10/2021 19:50	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	3.7	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	4.5	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
78-93-3	2-Butanone	830		ug/m ³	1.8	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
591-78-6	* 2-Hexanone	120		ug/m ³	5.1	6.232	EPA TO-15 Certifications:	03/10/2021 09:00	03/10/2021 19:50	LLJ



Sample Information

Client Sample ID: SV12_030521

York Sample ID: 21C0350-02

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:20 pm

Date Received
03/05/2021

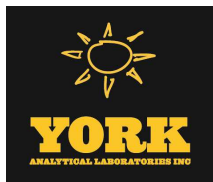
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	9.8	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
108-10-1	4-Methyl-2-pentanone	4.3		ug/m ³	2.6	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
67-64-1	Acetone	230		ug/m ³	3.0	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.4	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
71-43-2	Benzene	ND		ug/m ³	2.0	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	3.2	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	4.2	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-25-2	Bromoform	ND		ug/m ³	6.4	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
74-83-9	Bromomethane	ND		ug/m ³	2.4	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-15-0	Carbon disulfide	11		ug/m ³	1.9	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.98	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	2.9	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-00-3	Chloroethane	ND		ug/m ³	1.6	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
67-66-3	Chloroform	ND		ug/m ³	3.0	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.3	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.62	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	2.8	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
110-82-7	Cyclohexane	ND		ug/m ³	2.1	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	5.3	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	3.1	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	4.5	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
100-41-4	Ethyl Benzene	4.3		ug/m ³	2.7	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ



Sample Information

Client Sample ID: SV12_030521

York Sample ID: 21C0350-02

York Project (SDG) No.

21C0350

Client Project ID

170430601

Matrix

Soil Vapor

Collection Date/Time

March 5, 2021 12:20 pm

Date Received

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	6.6	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
67-63-0	Isopropanol	4.4		ug/m ³	3.1	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	2.6	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.2	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	4.3	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
142-82-5	n-Heptane	6.6		ug/m ³	2.6	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
110-54-3	n-Hexane	9.0		ug/m ³	2.2	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
95-47-6	o-Xylene	15		ug/m ³	2.7	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
179601-23-1	p- & m- Xylenes	20		ug/m ³	5.4	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	3.1	6.232	EPA TO-15 Certifications:	03/10/2021 09:00	03/10/2021 19:50	LLJ
115-07-1	* Propylene	160		ug/m ³	1.1	6.232	EPA TO-15 Certifications:	03/10/2021 09:00	03/10/2021 19:50	LLJ
100-42-5	Styrene	2.7		ug/m ³	2.7	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	4.2	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	3.7	6.232	EPA TO-15 Certifications:	03/10/2021 09:00	03/10/2021 19:50	LLJ
108-88-3	Toluene	5.2		ug/m ³	2.3	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	2.5	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	2.8	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.84	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	3.5	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.2	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	2.7	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.80	6.232	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/10/2021 19:50	LLJ



Sample Information

Client Sample ID: SV12_030521

York Sample ID: 21C0350-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Soil Vapor

March 5, 2021 12:20 pm

03/05/2021



Sample Information

Client Sample ID: SV06_030521

York Sample ID: 21C0350-03

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 1:15 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	11	16.63	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 11:46	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.1	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	11	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	13	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.1	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	6.7	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.6	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	12	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
95-63-6	1,2,4-Trimethylbenzene	58		ug/m ³	8.2	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	13	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	10	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	6.7	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	7.7	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
108-67-8	1,3,5-Trimethylbenzene	51		ug/m ³	8.2	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	11	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	10	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	7.7	16.63	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 11:46	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	10	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	12	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
78-93-3	2-Butanone	ND		ug/m ³	4.9	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
591-78-6	* 2-Hexanone	ND		ug/m ³	14	16.63	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 11:46	LLJ



Sample Information

Client Sample ID: SV06_030521

York Sample ID: 21C0350-03

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 1:15 pm

Date Received
03/05/2021

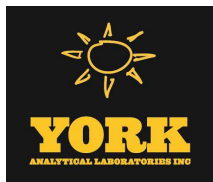
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	26	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	6.8	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
67-64-1	Acetone	ND		ug/m ³	7.9	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	3.6	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
71-43-2	Benzene	5300		ug/m ³	21	66.52	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/11/2021 09:00	03/11/2021 21:23	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	8.6	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	11	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-25-2	Bromoform	ND		ug/m ³	17	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
74-83-9	Bromomethane	ND		ug/m ³	6.5	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-15-0	Carbon disulfide	74		ug/m ³	5.2	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.6	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	7.7	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-00-3	Chloroethane	ND		ug/m ³	4.4	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
67-66-3	Chloroform	ND		ug/m ³	8.1	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
74-87-3	Chloromethane	ND		ug/m ³	3.4	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.6	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	7.5	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
110-82-7	Cyclohexane	17000		ug/m ³	230	665.2	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/11/2021 09:00	03/11/2021 23:37	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	14	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	8.2	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	12	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
100-41-4	Ethyl Benzene	570		ug/m ³	7.2	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ



Sample Information

Client Sample ID: SV06_030521

York Sample ID: 21C0350-03

York Project (SDG) No.

21C0350

Client Project ID

170430601

Matrix

Soil Vapor

Collection Date/Time

March 5, 2021 1:15 pm

Date Received

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	18	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
67-63-0	Isopropanol	20		ug/m ³	8.2	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	6.8	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.0	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	12	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
142-82-5	n-Heptane	17000		ug/m ³	270	665.2	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/11/2021 09:00	03/11/2021 23:37	LLJ
110-54-3	n-Hexane	49000		ug/m ³	230	665.2	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/11/2021 09:00	03/11/2021 23:37	LLJ
95-47-6	o-Xylene	120		ug/m ³	7.2	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
179601-23-1	p- & m- Xylenes	1000		ug/m ³	14	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
622-96-8	* p-Ethyltoluene	83		ug/m ³	8.2	16.63	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 11:46	LLJ
115-07-1	* Propylene	ND		ug/m ³	2.9	16.63	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 11:46	LLJ
100-42-5	Styrene	ND		ug/m ³	7.1	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	11	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	9.8	16.63	EPA TO-15 Certifications:	03/09/2021 09:00	03/10/2021 11:46	LLJ
108-88-3	Toluene	480		ug/m ³	6.3	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	6.6	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	7.5	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	2.2	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	9.3	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	5.9	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	7.3	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	2.1	16.63	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/09/2021 09:00	03/10/2021 11:46	LLJ



Sample Information

Client Sample ID: SV06_030521

York Sample ID: 21C0350-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Soil Vapor

March 5, 2021 1:15 pm

03/05/2021



Sample Information

Client Sample ID: SV05_030521

York Sample ID: 21C0350-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Soil Vapor

March 5, 2021 12:14 pm

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.568	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 03:08	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.86	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.86	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.63	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	0.77	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.94	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.63	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.72	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	0.77	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	1.0	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.94	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.72	1.568	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 03:08	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.94	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
78-93-3	2-Butanone	47		ug/m ³	0.46	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
591-78-6	* 2-Hexanone	2.6		ug/m ³	1.3	1.568	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 03:08	LLJ



Sample Information

Client Sample ID: SV05_030521

York Sample ID: 21C0350-04

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:14 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	2.5	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.64	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
67-64-1	Acetone	19		ug/m ³	0.74	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.34	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
71-43-2	Benzene	ND		ug/m ³	0.50	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	0.81	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-25-2	Bromoform	ND		ug/m ³	1.6	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
74-83-9	Bromomethane	ND		ug/m ³	0.61	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	0.49	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
56-23-5	Carbon tetrachloride	0.39		ug/m ³	0.25	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	0.72	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.41	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
67-66-3	Chloroform	ND		ug/m ³	0.77	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
74-87-3	Chloromethane	0.97		ug/m ³	0.32	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.71	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
110-82-7	Cyclohexane	38		ug/m ³	0.54	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	1.3	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-71-8	Dichlorodifluoromethane	1.9		ug/m ³	0.78	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.568	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 03:08	LLJ
100-41-4	Ethyl Benzene	ND		ug/m ³	0.68	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ



Sample Information

Client Sample ID: SV05_030521

York Sample ID: 21C0350-04

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:14 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
67-63-0	Isopropanol	1.2		ug/m ³	0.77	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.64	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.57	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-09-2	Methylene chloride	2.3		ug/m ³	1.1	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
142-82-5	n-Heptane	9.7		ug/m ³	0.64	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
110-54-3	n-Hexane	41		ug/m ³	0.55	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
95-47-6	o-Xylene	ND		ug/m ³	0.68	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
179601-23-1	p- & m- Xylenes	ND		ug/m ³	1.4	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	0.77	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
115-07-1	* Propylene	13		ug/m ³	0.27	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
100-42-5	Styrene	ND		ug/m ³	0.67	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	1.1	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.92	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
108-88-3	Toluene	1.0		ug/m ³	0.59	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.62	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.71	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.21	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	0.97		ug/m ³	0.88	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	0.55	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	0.69	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.20	1.568	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 03:08	LLJ



Sample Information

Client Sample ID: SV05_030521

York Sample ID: 21C0350-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Soil Vapor

March 5, 2021 12:14 pm

03/05/2021



Sample Information

Client Sample ID: SV02_030521

York Sample ID: 21C0350-05

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:16 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	2.4	3.512	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 12:21	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.9	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.9	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.35	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.6	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
95-63-6	1,2,4-Trimethylbenzene	6.6		ug/m ³	1.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.1	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.6	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.5	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
108-67-8	1,3,5-Trimethylbenzene	5.7		ug/m ³	1.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.3	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.1	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.6	3.512	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 12:21	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.1	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.5	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
78-93-3	2-Butanone	650		ug/m ³	2.1	7.024	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/11/2021 09:00	03/12/2021 08:52	LLJ
591-78-6	* 2-Hexanone	100		ug/m ³	2.9	3.512	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 12:21	LLJ



Sample Information

Client Sample ID: SV02_030521

York Sample ID: 21C0350-05

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:16 pm

Date Received
03/05/2021

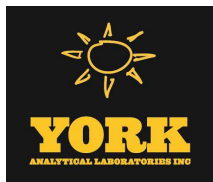
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	5.5	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
108-10-1	4-Methyl-2-pentanone	2.7		ug/m ³	1.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
67-64-1	Acetone	210		ug/m ³	1.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.76	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
71-43-2	Benzene	16		ug/m ³	1.1	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.8	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-25-2	Bromoform	ND		ug/m ³	3.6	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
74-83-9	Bromomethane	ND		ug/m ³	1.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-15-0	Carbon disulfide	8.3		ug/m ³	1.1	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.55	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.6	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.93	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
67-66-3	Chloroform	ND		ug/m ³	1.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.73	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.35	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.6	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
110-82-7	Cyclohexane	14		ug/m ³	1.2	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	3.0	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-71-8	Dichlorodifluoromethane	1.9		ug/m ³	1.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	2.5	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
100-41-4	Ethyl Benzene	52		ug/m ³	1.5	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ



Sample Information

Client Sample ID: SV02_030521

York Sample ID: 21C0350-05

York Project (SDG) No.

21C0350

Client Project ID

170430601

Matrix

Soil Vapor

Collection Date/Time

March 5, 2021 12:16 pm

Date Received

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
67-63-0	Isopropanol	2.4		ug/m ³	1.7	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.3	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	2.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
142-82-5	n-Heptane	60		ug/m ³	1.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
110-54-3	n-Hexane	32		ug/m ³	1.2	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
95-47-6	o-Xylene	20		ug/m ³	1.5	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
179601-23-1	p- & m- Xylenes	110		ug/m ³	3.0	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
622-96-8	* p-Ethyltoluene	8.5		ug/m ³	1.7	3.512	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 12:21	LLJ
115-07-1	* Propylene	70		ug/m ³	0.60	3.512	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 12:21	LLJ
100-42-5	Styrene	3.7		ug/m ³	1.5	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
127-18-4	Tetrachloroethylene	5.7		ug/m ³	2.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.1	3.512	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 12:21	LLJ
108-88-3	Toluene	26		ug/m ³	1.3	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.4	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.6	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.47	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	2.0	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.5	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.45	3.512	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 12:21	LLJ



Sample Information

Client Sample ID: SV02_030521

York Sample ID: 21C0350-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Soil Vapor

March 5, 2021 12:16 pm

03/05/2021



Sample Information

Client Sample ID: SV07_030521

York Sample ID: 21C0350-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Soil Vapor

March 5, 2021 12:19 pm

03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	5.3	7.788	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 11:22	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	5.3	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	6.0	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.77	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	5.8	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
95-63-6	1,2,4-Trimethylbenzene	40		ug/m ³	3.8	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	6.0	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	4.7	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	3.6	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	5.4	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
108-67-8	1,3,5-Trimethylbenzene	39		ug/m ³	3.8	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	5.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	4.7	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	3.6	7.788	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 11:22	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	4.7	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	5.6	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
78-93-3	2-Butanone	600		ug/m ³	2.3	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
591-78-6	* 2-Hexanone	78		ug/m ³	6.4	7.788	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 11:22	LLJ



Sample Information

Client Sample ID: SV07_030521

York Sample ID: 21C0350-06

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:19 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	12	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
67-64-1	Acetone	220		ug/m ³	3.7	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.7	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
71-43-2	Benzene	140		ug/m ³	2.5	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.0	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	5.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-25-2	Bromoform	ND		ug/m ³	8.1	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.0	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-15-0	Carbon disulfide	45		ug/m ³	2.4	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	3.6	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-00-3	Chloroethane	ND		ug/m ³	2.1	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
67-66-3	Chloroform	ND		ug/m ³	3.8	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.6	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.77	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	3.5	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
110-82-7	Cyclohexane	220		ug/m ³	2.7	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	6.6	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	3.9	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	5.6	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
100-41-4	Ethyl Benzene	300		ug/m ³	3.4	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ



Sample Information

Client Sample ID: SV07_030521

York Sample ID: 21C0350-06

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:19 pm

Date Received
03/05/2021

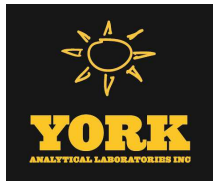
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	8.3	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
67-63-0	Isopropanol	16		ug/m ³	3.8	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	2.8	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	5.4	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
142-82-5	n-Heptane	650		ug/m ³	3.2	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
110-54-3	n-Hexane	410		ug/m ³	2.7	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
95-47-6	o-Xylene	71		ug/m ³	3.4	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
179601-23-1	p- & m- Xylenes	570		ug/m ³	6.8	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
622-96-8	* p-Ethyltoluene	51		ug/m ³	3.8	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
115-07-1	* Propylene	ND		ug/m ³	1.3	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
100-42-5	Styrene	ND		ug/m ³	3.3	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
127-18-4	Tetrachloroethylene	51		ug/m ³	5.3	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	4.6	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
108-88-3	Toluene	130		ug/m ³	2.9	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.1	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	3.5	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	1.0	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.4	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	2.7	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.4	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	1.0	7.788	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 11:22	LLJ



Sample Information

Client Sample ID: SV07_030521

York Sample ID: 21C0350-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Soil Vapor

March 5, 2021 12:19 pm

03/05/2021



Sample Information

Client Sample ID: SV08_030521

York Sample ID: 21C0350-07

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:16 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	2.3	3.348	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 01:02	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.8	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.3	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.6	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.8	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.4	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.33	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
95-63-6	1,2,4-Trimethylbenzene	2.1		ug/m ³	1.6	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.6	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.0	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.4	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.3	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
108-67-8	1,3,5-Trimethylbenzene	2.3		ug/m ³	1.6	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.2	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.0	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.5	3.348	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 01:02	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.0	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.4	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
78-93-3	2-Butanone	180		ug/m ³	0.99	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
591-78-6	* 2-Hexanone	25		ug/m ³	2.7	3.348	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 01:02	LLJ



Sample Information

Client Sample ID: SV08_030521

York Sample ID: 21C0350-07

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:16 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	5.2	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.4	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
67-64-1	Acetone	49		ug/m ³	1.6	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.73	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
71-43-2	Benzene	49		ug/m ³	1.1	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.7	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.2	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-25-2	Bromoform	ND		ug/m ³	3.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
74-83-9	Bromomethane	ND		ug/m ³	1.3	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-15-0	Carbon disulfide	1.8		ug/m ³	1.0	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.53	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.88	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
67-66-3	Chloroform	5.2		ug/m ³	1.6	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
74-87-3	Chloromethane	ND		ug/m ³	0.69	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.33	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
110-82-7	Cyclohexane	350		ug/m ³	1.2	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.9	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-71-8	Dichlorodifluoromethane	1.7		ug/m ³	1.7	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	2.4	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
100-41-4	Ethyl Benzene	32		ug/m ³	1.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ



Sample Information

Client Sample ID: SV08_030521

York Sample ID: 21C0350-07

York Project (SDG) No.
21C0350

Client Project ID
170430601

Matrix
Soil Vapor

Collection Date/Time
March 5, 2021 12:16 pm

Date Received
03/05/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.6	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
67-63-0	Isopropanol	2.6		ug/m ³	1.6	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.4	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.2	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	2.3	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
142-82-5	n-Heptane	590		ug/m ³	1.4	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
110-54-3	n-Hexane	440		ug/m ³	1.2	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
95-47-6	o-Xylene	12		ug/m ³	1.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
179601-23-1	p- & m- Xylenes	53		ug/m ³	2.9	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
622-96-8	* p-Ethyltoluene	2.3		ug/m ³	1.6	3.348	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 01:02	LLJ
115-07-1	* Propylene	39		ug/m ³	0.58	3.348	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 01:02	LLJ
100-42-5	Styrene	1.9		ug/m ³	1.4	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m ³	2.3	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.0	3.348	EPA TO-15 Certifications:	03/10/2021 09:00	03/11/2021 01:02	LLJ
108-88-3	Toluene	21		ug/m ³	1.3	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.3	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.45	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	1.9	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.5	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	0.43	3.348	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/10/2021 09:00	03/11/2021 01:02	LLJ



Sample Information

Client Sample ID: SV08_030521

York Sample ID: 21C0350-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0350

170430601

Soil Vapor

March 5, 2021 12:16 pm

03/05/2021



Analytical Batch Summary

Batch ID: BC10397 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
21C0350-01	AA01_030521	03/09/21
21C0350-03	SV06_030521	03/09/21
BC10397-BLK1	Blank	03/09/21
BC10397-BS1	LCS	03/09/21
BC10397-DUP1	Duplicate	03/09/21

Batch ID: BC10487 **Preparation Method:** EPA TO15 PREP **Prepared By:** LJ

YORK Sample ID	Client Sample ID	Preparation Date
21C0350-02	SV12_030521	03/10/21
21C0350-04	SV05_030521	03/10/21
21C0350-05	SV02_030521	03/10/21
21C0350-06	SV07_030521	03/10/21
21C0350-07	SV08_030521	03/10/21
BC10487-BLK1	Blank	03/10/21
BC10487-BS1	LCS	03/10/21
BC10487-DUP1	Duplicate	03/10/21

Batch ID: BC10536 **Preparation Method:** EPA TO15 PREP **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
21C0350-03RE1	SV06_030521	03/11/21
21C0350-03RE2	SV06_030521	03/11/21
21C0350-05RE1	SV02_030521	03/11/21
BC10536-BLK1	Blank	03/11/21
BC10536-BS1	LCS	03/11/21
BC10536-DUP1	Duplicate	03/11/21



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

York Analytical Laboratories, Inc.

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

Batch BC10397 - EPA TO15 PREP

Blank (BC10397-BLK1)	Blank									Prepared & Analyzed: 03/09/2021
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³							
1,1,1-Trichloroethane	ND	0.55	"							
1,1,2,2-Tetrachloroethane	ND	0.69	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"							
1,1,2-Trichloroethane	ND	0.55	"							
1,1-Dichloroethane	ND	0.40	"							
1,1-Dichloroethylene	ND	0.099	"							
1,2,4-Trichlorobenzene	ND	0.74	"							
1,2,4-Trimethylbenzene	ND	0.49	"							
1,2-Dibromoethane	ND	0.77	"							
1,2-Dichlorobenzene	ND	0.60	"							
1,2-Dichloroethane	ND	0.40	"							
1,2-Dichloropropane	ND	0.46	"							
1,2-Dichlorotetrafluoroethane	ND	0.70	"							
1,3,5-Trimethylbenzene	ND	0.49	"							
1,3-Butadiene	ND	0.66	"							
1,3-Dichlorobenzene	ND	0.60	"							
1,3-Dichloropropane	ND	0.46	"							
1,4-Dichlorobenzene	ND	0.60	"							
1,4-Dioxane	ND	0.72	"							
2-Butanone	ND	0.29	"							
2-Hexanone	ND	0.82	"							
3-Chloropropene	ND	1.6	"							
4-Methyl-2-pentanone	ND	0.41	"							
Acetone	ND	0.48	"							
Acrylonitrile	ND	0.22	"							
Benzene	ND	0.32	"							
Benzyl chloride	ND	0.52	"							
Bromodichloromethane	ND	0.67	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	0.39	"							
Carbon disulfide	ND	0.31	"							
Carbon tetrachloride	ND	0.16	"							
Chlorobenzene	ND	0.46	"							
Chloroethane	ND	0.26	"							
Chloroform	ND	0.49	"							
Chloromethane	ND	0.21	"							
cis-1,2-Dichloroethylene	ND	0.099	"							
cis-1,3-Dichloropropylene	ND	0.45	"							
Cyclohexane	ND	0.34	"							
Dibromochloromethane	ND	0.85	"							
Dichlorodifluoromethane	ND	0.49	"							
Ethyl acetate	ND	0.72	"							
Ethyl Benzene	ND	0.43	"							
Hexachlorobutadiene	ND	1.1	"							
Isopropanol	ND	0.49	"							
Methyl Methacrylate	ND	0.41	"							
Methyl tert-butyl ether (MTBE)	ND	0.36	"							
Methylene chloride	ND	0.69	"							
n-Heptane	ND	0.41	"							



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

York Analytical Laboratories, Inc.

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

Batch BC10397 - EPA TO15 PREP

Blank (BC10397-BLK1)	Blank										Prepared & Analyzed: 03/09/2021
n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

LCS (BC10397-BS1)	LCS										Prepared & Analyzed: 03/09/2021
1,1,1,2-Tetrachloroethane	9.56		ppbv	10.0		95.6	70-130				
1,1,1-Trichloroethane	9.65		"	10.0		96.5	70-130				
1,1,2,2-Tetrachloroethane	9.68		"	10.0		96.8	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.59		"	10.0		95.9	70-130				
1,1,2-Trichloroethane	9.98		"	10.0		99.8	70-130				
1,1-Dichloroethane	9.29		"	10.0		92.9	70-130				
1,1-Dichloroethylene	9.05		"	10.0		90.5	70-130				
1,2,4-Trichlorobenzene	8.78		"	10.0		87.8	70-130				
1,2,4-Trimethylbenzene	9.94		"	10.0		99.4	70-130				
1,2-Dibromoethane	10.2		"	10.0		102	70-130				
1,2-Dichlorobenzene	9.06		"	10.0		90.6	70-130				
1,2-Dichloroethane	9.37		"	10.0		93.7	70-130				
1,2-Dichloropropane	10.0		"	10.0		100	70-130				
1,2-Dichlorotetrafluoroethane	9.99		"	10.0		99.9	70-130				
1,3,5-Trimethylbenzene	9.75		"	10.0		97.5	70-130				
1,3-Butadiene	9.53		"	10.0		95.3	70-130				
1,3-Dichlorobenzene	9.21		"	10.0		92.1	70-130				
1,3-Dichloropropane	9.89		"	10.0		98.9	70-130				
1,4-Dichlorobenzene	9.22		"	10.0		92.2	70-130				
1,4-Dioxane	8.11		"	10.0		81.1	70-130				
2-Butanone	9.52		"	10.0		95.2	70-130				
2-Hexanone	9.19		"	10.0		91.9	70-130				
3-Chloropropene	10.2		"	10.0		102	70-130				
4-Methyl-2-pentanone	9.47		"	10.0		94.7	70-130				
Acetone	8.27		"	10.0		82.7	70-130				
Acrylonitrile	10.2		"	10.0		102	70-130				
Benzene	9.63		"	10.0		96.3	70-130				
Benzyl chloride	9.73		"	10.0		97.3	70-130				
Bromodichloromethane	10.1		"	10.0		101	70-130				
Bromoform	10.5		"	10.0		105	70-130				
Bromomethane	8.83		"	10.0		88.3	70-130				
Carbon disulfide	9.72		"	10.0		97.2	70-130				
Carbon tetrachloride	9.33		"	10.0		93.3	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BC10397 - EPA TO15 PREP

LCS (BC10397-BS1)	LCS	Prepared & Analyzed: 03/09/2021									
Chlorobenzene	9.17		ppbv	10.0		91.7	70-130				
Chloroethane	9.99		"	10.0		99.9	70-130				
Chloroform	9.43		"	10.0		94.3	70-130				
Chloromethane	9.21		"	10.0		92.1	70-130				
cis-1,2-Dichloroethylene	9.10		"	10.0		91.0	70-130				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	70-130				
Cyclohexane	10.5		"	10.0		105	70-130				
Dibromochloromethane	10.4		"	10.0		104	70-130				
Dichlorodifluoromethane	9.54		"	10.0		95.4	70-130				
Ethyl acetate	9.44		"	10.0		94.4	70-130				
Ethyl Benzene	9.61		"	10.0		96.1	70-130				
Hexachlorobutadiene	8.60		"	10.0		86.0	70-130				
Isopropanol	8.38		"	10.0		83.8	70-130				
Methyl Methacrylate	10.2		"	10.0		102	70-130				
Methyl tert-butyl ether (MTBE)	9.76		"	10.0		97.6	70-130				
Methylene chloride	8.99		"	10.0		89.9	70-130				
n-Heptane	10.5		"	10.0		105	70-130				
n-Hexane	9.04		"	10.0		90.4	70-130				
o-Xylene	10.0		"	10.0		100	70-130				
p- & m- Xylenes	19.5		"	20.0		97.4	70-130				
p-Ethyltoluene	10.1		"	10.0		101	70-130				
Propylene	10.1		"	10.0		101	70-130				
Styrene	10.1		"	10.0		101	70-130				
Tetrachloroethylene	9.78		"	10.0		97.8	70-130				
Tetrahydrofuran	9.59		"	10.0		95.9	70-130				
Toluene	9.73		"	10.0		97.3	70-130				
trans-1,2-Dichloroethylene	9.67		"	10.0		96.7	70-130				
trans-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Trichloroethylene	9.43		"	10.0		94.3	70-130				
Trichlorofluoromethane (Freon 11)	9.41		"	10.0		94.1	70-130				
Vinyl acetate	8.52		"	10.0		85.2	70-130				
Vinyl bromide	10.0		"	10.0		100	70-130				
Vinyl Chloride	8.89		"	10.0		88.9	70-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10397 - EPA TO15 PREP											
Duplicate (BC10397-DUP1)	Duplicate	*Source sample: 21C0275-01 (Duplicate)						Prepared: 03/09/2021 Analyzed: 03/10/2021			
1,1,1,2-Tetrachloroethane	ND	0.61	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.49	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.61	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.68	"		ND					25	
1,1,2-Trichloroethane	ND	0.49	"		ND					25	
1,1-Dichloroethane	ND	0.36	"		ND					25	
1,1-Dichloroethylene	ND	0.088	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.66	"		ND					25	
1,2,4-Trimethylbenzene	0.31	0.44	"		0.31				0.00	25	
1,2-Dibromoethane	ND	0.69	"		ND					25	
1,2-Dichlorobenzene	ND	0.54	"		ND					25	
1,2-Dichloroethane	ND	0.36	"		ND					25	
1,2-Dichloropropane	ND	0.41	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.62	"		ND					25	
1,3,5-Trimethylbenzene	0.35	0.44	"		0.39				11.8	25	
1,3-Butadiene	ND	0.59	"		ND					25	
1,3-Dichlorobenzene	ND	0.54	"		ND					25	
1,3-Dichloropropane	ND	0.41	"		ND					25	
1,4-Dichlorobenzene	ND	0.54	"		ND					25	
1,4-Dioxane	ND	0.64	"		ND					25	
2-Butanone	1.1	0.26	"		1.1				2.41	25	
2-Hexanone	ND	0.73	"		ND					25	
3-Chloropropene	ND	1.4	"		ND					25	
4-Methyl-2-pentanone	ND	0.37	"		ND					25	
Acetone	5.3	0.42	"		5.4				0.396	25	
Acrylonitrile	ND	0.19	"		ND					25	
Benzene	0.74	0.28	"		0.74				0.00	25	
Benzyl chloride	ND	0.46	"		ND					25	
Bromodichloromethane	ND	0.60	"		ND					25	
Bromoform	ND	0.92	"		ND					25	
Bromomethane	ND	0.35	"		ND					25	
Carbon disulfide	0.50	0.28	"		0.47				5.71	25	
Carbon tetrachloride	0.45	0.14	"		0.39				13.3	25	
Chlorobenzene	ND	0.41	"		ND					25	
Chloroethane	ND	0.24	"		ND					25	
Chloroform	ND	0.44	"		ND					25	
Chloromethane	1.1	0.18	"		1.0				1.74	25	
cis-1,2-Dichloroethylene	0.14	0.088	"		0.14				0.00	25	
cis-1,3-Dichloropropylene	ND	0.40	"		ND					25	
Cyclohexane	ND	0.31	"		ND					25	
Dibromochloromethane	ND	0.76	"		ND					25	
Dichlorodifluoromethane	2.0	0.44	"		2.0				0.00	25	
Ethyl acetate	0.48	0.64	"		0.48				0.00	25	
Ethyl Benzene	0.27	0.39	"		0.27				0.00	25	
Hexachlorobutadiene	ND	0.95	"		ND					25	
Isopropanol	5.1	0.44	"		5.2				2.56	25	
Methyl Methacrylate	1.7	0.37	"		1.8				4.17	25	
Methyl tert-butyl ether (MTBE)	ND	0.32	"		ND					25	
Methylene chloride	16	0.62	"		17				2.64	25	
n-Heptane	0.69	0.37	"		0.73				5.13	25	
n-Hexane	0.79	0.31	"		0.79				0.00	25	



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

York Analytical Laboratories, Inc.

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

Batch BC10397 - EPA TO15 PREP

Duplicate (BC10397-DUP1)	Duplicate	*Source sample: 21C0275-01 (Duplicate)				Prepared: 03/09/2021 Analyzed: 03/10/2021					
o-Xylene		0.46	0.39	ug/m ³	0.46				0.00	25	
p- & m- Xylenes		1.0	0.77	"	1.0				0.00	25	
p-Ethyltoluene		0.48	0.44	"	0.48				0.00	25	
Propylene		ND	0.15	"	ND					25	
Styrene		ND	0.38	"	ND					25	
Tetrachloroethylene		3.5	0.60	"	3.4				1.74	25	
Tetrahydrofuran		0.29	0.53	"	0.26				9.52	25	
Toluene		2.3	0.34	"	2.3				1.48	25	
trans-1,2-Dichloroethylene		ND	0.35	"	ND					25	
trans-1,3-Dichloropropylene		ND	0.40	"	ND					25	
Trichloroethylene		0.19	0.12	"	0.19				0.00	25	
Trichlorofluoromethane (Freon 11)		1.2	0.50	"	1.2				0.00	25	
Vinyl acetate		ND	0.31	"	ND					25	
Vinyl bromide		ND	0.39	"	ND					25	
Vinyl Chloride		ND	0.11	"	ND					25	

Batch BC10487 - EPA TO15 PREP

Blank (BC10487-BLK1)	Blank	Prepared & Analyzed: 03/10/2021									
1,1,1,2-Tetrachloroethane		ND	0.69	ug/m ³							
1,1,1-Trichloroethane		ND	0.55	"							
1,1,2,2-Tetrachloroethane		ND	0.69	"							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		ND	0.77	"							
1,1,2-Trichloroethane		ND	0.55	"							
1,1-Dichloroethane		ND	0.40	"							
1,1-Dichloroethylene		ND	0.099	"							
1,2,4-Trichlorobenzene		ND	0.74	"							
1,2,4-Trimethylbenzene		ND	0.49	"							
1,2-Dibromoethane		ND	0.77	"							
1,2-Dichlorobenzene		ND	0.60	"							
1,2-Dichloroethane		ND	0.40	"							
1,2-Dichloropropane		ND	0.46	"							
1,2-Dichlorotetrafluoroethane		ND	0.70	"							
1,3,5-Trimethylbenzene		ND	0.49	"							
1,3-Butadiene		ND	0.66	"							
1,3-Dichlorobenzene		ND	0.60	"							
1,3-Dichloropropane		ND	0.46	"							
1,4-Dichlorobenzene		ND	0.60	"							
1,4-Dioxane		ND	0.72	"							
2-Butanone		ND	0.29	"							
2-Hexanone		ND	0.82	"							
3-Chloropropene		ND	1.6	"							
4-Methyl-2-pentanone		ND	0.41	"							
Acetone		ND	0.48	"							
Acrylonitrile		ND	0.22	"							
Benzene		ND	0.32	"							
Benzyl chloride		ND	0.52	"							
Bromodichloromethane		ND	0.67	"							
Bromoform		ND	1.0	"							
Bromomethane		ND	0.39	"							
Carbon disulfide		ND	0.31	"							



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

York Analytical Laboratories, Inc.

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

Batch BC10487 - EPA TO15 PREP

Blank (BC10487-BLK1)	Blank		Prepared & Analyzed: 03/10/2021								
Carbon tetrachloride	ND	0.16	ug/m ³								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10487 - EPA TO15 PREP											
LCS (BC10487-BS1)	LCS						Prepared & Analyzed: 03/10/2021				
1,1,1,2-Tetrachloroethane	9.28		ppbv	10.0		92.8	70-130				
1,1,1-Trichloroethane	8.44		"	10.0		84.4	70-130				
1,1,2,2-Tetrachloroethane	9.52		"	10.0		95.2	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.13		"	10.0		81.3	70-130				
1,1,2-Trichloroethane	9.62		"	10.0		96.2	70-130				
1,1-Dichloroethane	8.52		"	10.0		85.2	70-130				
1,1-Dichloroethylene	8.27		"	10.0		82.7	70-130				
1,2,4-Trichlorobenzene	8.24		"	10.0		82.4	70-130				
1,2,4-Trimethylbenzene	9.76		"	10.0		97.6	70-130				
1,2-Dibromoethane	9.60		"	10.0		96.0	70-130				
1,2-Dichlorobenzene	8.51		"	10.0		85.1	70-130				
1,2-Dichloroethane	8.40		"	10.0		84.0	70-130				
1,2-Dichloropropane	10.4		"	10.0		104	70-130				
1,2-Dichlorotetrafluoroethane	8.13		"	10.0		81.3	70-130				
1,3,5-Trimethylbenzene	9.53		"	10.0		95.3	70-130				
1,3-Butadiene	8.70		"	10.0		87.0	70-130				
1,3-Dichlorobenzene	8.81		"	10.0		88.1	70-130				
1,3-Dichloropropane	9.67		"	10.0		96.7	70-130				
1,4-Dichlorobenzene	8.73		"	10.0		87.3	70-130				
1,4-Dioxane	7.96		"	10.0		79.6	70-130				
2-Butanone	9.45		"	10.0		94.5	70-130				
2-Hexanone	9.92		"	10.0		99.2	70-130				
3-Chloropropene	10.3		"	10.0		103	70-130				
4-Methyl-2-pentanone	10.5		"	10.0		105	70-130				
Acetone	7.86		"	10.0		78.6	70-130				
Acrylonitrile	9.91		"	10.0		99.1	70-130				
Benzene	8.53		"	10.0		85.3	70-130				
Benzyl chloride	9.82		"	10.0		98.2	70-130				
Bromodichloromethane	9.80		"	10.0		98.0	70-130				
Bromoform	10.1		"	10.0		101	70-130				
Bromomethane	7.30		"	10.0		73.0	70-130				
Carbon disulfide	8.64		"	10.0		86.4	70-130				
Carbon tetrachloride	7.90		"	10.0		79.0	70-130				
Chlorobenzene	8.94		"	10.0		89.4	70-130				
Chloroethane	9.67		"	10.0		96.7	70-130				
Chloroform	8.32		"	10.0		83.2	70-130				
Chloromethane	8.07		"	10.0		80.7	70-130				
cis-1,2-Dichloroethylene	8.37		"	10.0		83.7	70-130				
cis-1,3-Dichloropropylene	10.5		"	10.0		105	70-130				
Cyclohexane	10.2		"	10.0		102	70-130				
Dibromochloromethane	9.80		"	10.0		98.0	70-130				
Dichlorodifluoromethane	7.75		"	10.0		77.5	70-130				
Ethyl acetate	9.25		"	10.0		92.5	70-130				
Ethyl Benzene	9.60		"	10.0		96.0	70-130				
Hexachlorobutadiene	8.51		"	10.0		85.1	70-130				
Isopropanol	8.49		"	10.0		84.9	70-130				
Methyl Methacrylate	10.3		"	10.0		103	70-130				
Methyl tert-butyl ether (MTBE)	9.08		"	10.0		90.8	70-130				
Methylene chloride	8.57		"	10.0		85.7	70-130				
n-Heptane	10.4		"	10.0		104	70-130				
n-Hexane	8.82		"	10.0		88.2	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BC10487 - EPA TO15 PREP

LCS (BC10487-BS1)	LCS	Prepared & Analyzed: 03/10/2021									
o-Xylene	10.2		ppbv	10.0		102	70-130				
p- & m- Xylenes	19.6		"	20.0		97.9	70-130				
p-Ethyltoluene	9.93		"	10.0		99.3	70-130				
Propylene	9.15		"	10.0		91.5	70-130				
Styrene	10.1		"	10.0		101	70-130				
Tetrachloroethylene	9.09		"	10.0		90.9	70-130				
Tetrahydrofuran	9.70		"	10.0		97.0	70-130				
Toluene	9.67		"	10.0		96.7	70-130				
trans-1,2-Dichloroethylene	8.79		"	10.0		87.9	70-130				
trans-1,3-Dichloropropylene	10.6		"	10.0		106	70-130				
Trichloroethylene	9.25		"	10.0		92.5	70-130				
Trichlorofluoromethane (Freon 11)	8.03		"	10.0		80.3	70-130				
Vinyl acetate	8.33		"	10.0		83.3	70-130				
Vinyl bromide	8.60		"	10.0		86.0	70-130				
Vinyl Chloride	7.67		"	10.0		76.7	70-130				

Duplicate (BC10487-DUP1)	Duplicate	*Source sample: 21C0345-04 (Duplicate) Prepared: 03/10/2021 Analyzed: 03/11/2021									
1,1,1,2-Tetrachloroethane	ND	1.4	ug/m ³		ND						25
1,1,1-Trichloroethane	ND	1.1	"		ND						25
1,1,2,2-Tetrachloroethane	ND	1.4	"		ND						25
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.5	"		ND						25
1,1,2-Trichloroethane	ND	1.1	"		ND						25
1,1-Dichloroethane	ND	0.80	"		ND						25
1,1-Dichloroethylene	ND	0.20	"		ND						25
1,2,4-Trichlorobenzene	ND	1.5	"		ND						25
1,2,4-Trimethylbenzene	1.5	0.97	"		1.6			6.45			25
1,2-Dibromoethane	ND	1.5	"		ND						25
1,2-Dichlorobenzene	ND	1.2	"		ND						25
1,2-Dichloroethane	ND	0.80	"		ND						25
1,2-Dichloropropane	ND	0.91	"		ND						25
1,2-Dichlorotetrafluoroethane	ND	1.4	"		ND						25
1,3,5-Trimethylbenzene	ND	0.97	"		ND						25
1,3-Butadiene	ND	1.3	"		ND						25
1,3-Dichlorobenzene	ND	1.2	"		ND						25
1,3-Dichloropropane	ND	0.91	"		ND						25
1,4-Dichlorobenzene	ND	1.2	"		ND						25
1,4-Dioxane	ND	1.4	"		ND						25
2-Butanone	4.3	0.58	"		3.8			11.4			25
2-Hexanone	ND	1.6	"		ND						25
3-Chloropropene	ND	3.1	"		ND						25
4-Methyl-2-pentanone	2.5	0.81	"		ND						25
Acetone	97	0.94	"		98			0.530			25
Acrylonitrile	ND	0.43	"		ND						25
Benzene	4.1	0.63	"		4.3			4.51			25
Benzyl chloride	ND	1.0	"		ND						25
Bromodichloromethane	ND	1.3	"		ND						25
Bromoform	ND	2.0	"		ND						25
Bromomethane	ND	0.77	"		ND						25
Carbon disulfide	6.5	0.61	"		7.0			7.27			25
Carbon tetrachloride	ND	0.31	"		ND						25
Chlorobenzene	ND	0.91	"		ND						25



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

York Analytical Laboratories, Inc.

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

Batch BC10487 - EPA TO15 PREP

Duplicate (BC10487-DUP1)	Duplicate	*Source sample: 21C0345-04 (Duplicate)				Prepared: 03/10/2021 Analyzed: 03/11/2021					
Chloroethane	ND	0.52	ug/m ³	ND					25		
Chloroform	ND	0.96	"	ND					25		
Chloromethane	ND	0.41	"	ND					25		
cis-1,2-Dichloroethylene	ND	0.20	"	ND					25		
cis-1,3-Dichloropropylene	ND	0.90	"	ND					25		
Cyclohexane	1.0	0.68	"	1.1					6.45	25	
Dibromochloromethane	ND	1.7	"	ND					25		
Dichlorodifluoromethane	2.0	0.98	"	2.0					0.00	25	
Ethyl acetate	ND	1.4	"	ND					25		
Ethyl Benzene	3.7	0.86	"	3.5					4.76	25	
Hexachlorobutadiene	ND	2.1	"	ND					25		
Isopropanol	29	0.97	"	9.1					104	25	Non-dir.
Methyl Methacrylate	ND	0.81	"	ND					25		
Methyl tert-butyl ether (MTBE)	ND	0.71	"	ND					25		
Methylene chloride	1.8	1.4	"	1.2					41.9	25	Non-dir.
n-Heptane	3.7	0.81	"	2.8					27.2	25	Non-dir.
n-Hexane	12	0.70	"	13					4.37	25	
o-Xylene	4.2	0.86	"	3.9					8.51	25	
p- & m- Xylenes	15	1.7	"	14					7.49	25	
p-Ethyltoluene	1.7	0.97	"	1.8					5.41	25	
Propylene	ND	0.34	"	ND					25		
Styrene	ND	0.84	"	ND					25		
Tetrachloroethylene	1.5	1.3	"	1.3					9.52	25	
Tetrahydrofuran	ND	1.2	"	ND					25		
Toluene	41	0.74	"	30					32.7	25	Non-dir.
trans-1,2-Dichloroethylene	ND	0.78	"	ND					25		
trans-1,3-Dichloropropylene	ND	0.90	"	ND					25		
Trichloroethylene	2.2	0.27	"	2.5					13.3	25	
Trichlorofluoromethane (Freon 11)	1.1	1.1	"	1.0					10.5	25	
Vinyl acetate	ND	0.70	"	ND					25		
Vinyl bromide	ND	0.86	"	ND					25		
Vinyl Chloride	ND	0.25	"	ND					25		



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

York Analytical Laboratories, Inc.

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

Batch BC10536 - EPA TO15 PREP

Blank (BC10536-BLK1)	Blank								Prepared & Analyzed: 03/11/2021		
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								
n-Hexane	ND	0.35	"								



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

York Analytical Laboratories, Inc.

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

Batch BC10536 - EPA TO15 PREP

Blank (BC10536-BLK1)	Blank										Prepared & Analyzed: 03/11/2021
o-Xylene	ND	0.43	ug/m ³								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

LCS (BC10536-BS1)	LCS										Prepared & Analyzed: 03/11/2021
1,1,1,2-Tetrachloroethane	9.83		ppbv	10.0		98.3	70-130				
1,1,1-Trichloroethane	9.00		"	10.0		90.0	70-130				
1,1,2,2-Tetrachloroethane	9.86		"	10.0		98.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.41		"	10.0		84.1	70-130				
1,1,2-Trichloroethane	9.93		"	10.0		99.3	70-130				
1,1-Dichloroethane	8.74		"	10.0		87.4	70-130				
1,1-Dichloroethylene	8.60		"	10.0		86.0	70-130				
1,2,4-Trichlorobenzene	8.72		"	10.0		87.2	70-130				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	70-130				
1,2-Dibromoethane	9.94		"	10.0		99.4	70-130				
1,2-Dichlorobenzene	8.95		"	10.0		89.5	70-130				
1,2-Dichloroethane	8.91		"	10.0		89.1	70-130				
1,2-Dichloropropane	10.4		"	10.0		104	70-130				
1,2-Dichlorotetrafluoroethane	10.1		"	10.0		101	70-130				
1,3,5-Trimethylbenzene	10.0		"	10.0		100	70-130				
1,3-Butadiene	8.62		"	10.0		86.2	70-130				
1,3-Dichlorobenzene	9.17		"	10.0		91.7	70-130				
1,3-Dichloropropane	10.0		"	10.0		100	70-130				
1,4-Dichlorobenzene	9.14		"	10.0		91.4	70-130				
1,4-Dioxane	8.29		"	10.0		82.9	70-130				
2-Butanone	9.35		"	10.0		93.5	70-130				
2-Hexanone	9.99		"	10.0		99.9	70-130				
3-Chloropropene	10.2		"	10.0		102	70-130				
4-Methyl-2-pentanone	10.5		"	10.0		105	70-130				
Acetone	8.02		"	10.0		80.2	70-130				
Acrylonitrile	9.91		"	10.0		99.1	70-130				
Benzene	8.76		"	10.0		87.6	70-130				
Benzyl chloride	10.3		"	10.0		103	70-130				
Bromodichloromethane	10.3		"	10.0		103	70-130				
Bromoform	10.8		"	10.0		108	70-130				
Bromomethane	9.58		"	10.0		95.8	70-130				
Carbon disulfide	8.75		"	10.0		87.5	70-130				
Carbon tetrachloride	8.50		"	10.0		85.0	70-130				
Chlorobenzene	9.37		"	10.0		93.7	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BC10536 - EPA TO15 PREP

LCS (BC10536-BS1)	LCS	Prepared & Analyzed: 03/11/2021									
Chloroethane	10.1	ppbv	10.0	101	70-130						
Chloroform	8.67	"	10.0	86.7	70-130						
Chloromethane	7.49	"	10.0	74.9	70-130						
cis-1,2-Dichloroethylene	8.54	"	10.0	85.4	70-130						
cis-1,3-Dichloropropylene	10.9	"	10.0	109	70-130						
Cyclohexane	10.3	"	10.0	103	70-130						
Dibromochloromethane	10.3	"	10.0	103	70-130						
Dichlorodifluoromethane	8.24	"	10.0	82.4	70-130						
Ethyl acetate	9.23	"	10.0	92.3	70-130						
Ethyl Benzene	10.1	"	10.0	101	70-130						
Hexachlorobutadiene	8.93	"	10.0	89.3	70-130						
Isopropanol	8.55	"	10.0	85.5	70-130						
Methyl Methacrylate	10.4	"	10.0	104	70-130						
Methyl tert-butyl ether (MTBE)	9.45	"	10.0	94.5	70-130						
Methylene chloride	8.59	"	10.0	85.9	70-130						
n-Heptane	10.4	"	10.0	104	70-130						
n-Hexane	8.91	"	10.0	89.1	70-130						
o-Xylene	10.7	"	10.0	107	70-130						
p- & m- Xylenes	20.6	"	20.0	103	70-130						
p-Ethyltoluene	10.2	"	10.0	102	70-130						
Propylene	9.10	"	10.0	91.0	70-130						
Styrene	10.5	"	10.0	105	70-130						
Tetrachloroethylene	9.46	"	10.0	94.6	70-130						
Tetrahydrofuran	9.50	"	10.0	95.0	70-130						
Toluene	9.98	"	10.0	99.8	70-130						
trans-1,2-Dichloroethylene	9.03	"	10.0	90.3	70-130						
trans-1,3-Dichloropropylene	11.0	"	10.0	110	70-130						
Trichloroethylene	9.57	"	10.0	95.7	70-130						
Trichlorofluoromethane (Freon 11)	8.44	"	10.0	84.4	70-130						
Vinyl acetate	8.37	"	10.0	83.7	70-130						
Vinyl bromide	8.93	"	10.0	89.3	70-130						
Vinyl Chloride	7.40	"	10.0	74.0	70-130						



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10536 - EPA TO15 PREP											
Duplicate (BC10536-DUP1)	Duplicate	*Source sample: 21C0354-04 (Duplicate)						Prepared: 03/11/2021 Analyzed: 03/12/2021			
1,1,1,2-Tetrachloroethane	ND	0.57	ug/m ³		ND					25	
1,1,1-Trichloroethane	ND	0.46	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.57	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.64	"		ND					25	
1,1,2-Trichloroethane	ND	0.46	"		ND					25	
1,1-Dichloroethane	ND	0.34	"		ND					25	
1,1-Dichloroethylene	ND	0.083	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.62	"		ND					25	
1,2,4-Trimethylbenzene	0.49	0.41	"		0.49				0.00	25	
1,2-Dibromoethane	ND	0.64	"		ND					25	
1,2-Dichlorobenzene	ND	0.50	"		ND					25	
1,2-Dichloroethane	ND	0.34	"		ND					25	
1,2-Dichloropropane	ND	0.39	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.58	"		ND					25	
1,3,5-Trimethylbenzene	ND	0.41	"		ND					25	
1,3-Butadiene	ND	0.55	"		ND					25	
1,3-Dichlorobenzene	ND	0.50	"		ND					25	
1,3-Dichloropropane	ND	0.39	"		ND					25	
1,4-Dichlorobenzene	ND	0.50	"		ND					25	
1,4-Dioxane	ND	0.60	"		ND					25	
2-Butanone	0.52	0.25	"		0.47				10.0	25	
2-Hexanone	ND	0.68	"		ND					25	
3-Chloropropene	ND	1.3	"		ND					25	
4-Methyl-2-pentanone	ND	0.34	"		ND					25	
Acetone	4.2	0.40	"		3.9				5.88	25	
Acrylonitrile	ND	0.18	"		ND					25	
Benzene	1.0	0.27	"		0.99				5.26	25	
Benzyl chloride	ND	0.43	"		ND					25	
Bromodichloromethane	ND	0.56	"		ND					25	
Bromoform	ND	0.86	"		ND					25	
Bromomethane	ND	0.32	"		ND					25	
Carbon disulfide	ND	0.26	"		ND					25	
Carbon tetrachloride	0.47	0.13	"		0.42				11.8	25	
Chlorobenzene	ND	0.38	"		ND					25	
Chloroethane	ND	0.22	"		ND					25	
Chloroform	ND	0.41	"		ND					25	
Chloromethane	1.2	0.17	"		1.1				4.44	25	
cis-1,2-Dichloroethylene	ND	0.083	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.38	"		ND					25	
Cyclohexane	0.63	0.29	"		0.63				0.00	25	
Dibromochloromethane	ND	0.71	"		ND					25	
Dichlorodifluoromethane	2.1	0.41	"		2.0				2.02	25	
Ethyl acetate	0.24	0.60	"		ND					25	
Ethyl Benzene	0.62	0.36	"		0.58				6.06	25	
Hexachlorobutadiene	ND	0.89	"		ND					25	
Isopropanol	2.6	0.41	"		2.4				9.76	25	
Methyl Methacrylate	0.99	0.34	"		1.1				9.84	25	
Methyl tert-butyl ether (MTBE)	ND	0.30	"		ND					25	
Methylene chloride	6.4	0.58	"		6.3				1.37	25	
n-Heptane	1.3	0.34	"		1.3				2.60	25	
n-Hexane	2.2	0.29	"		2.2				1.34	25	



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

York Analytical Laboratories, Inc.

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

Batch BC10536 - EPA TO15 PREP

Duplicate (BC10536-DUP1)	Duplicate	*Source sample: 21C0354-04 (Duplicate)				Prepared: 03/11/2021 Analyzed: 03/12/2021					
o-Xylene		0.72	0.36	ug/m ³		0.76			4.88	25	
p- & m- Xylenes		2.2	0.72	"		2.2			0.00	25	
p-Ethyltoluene		0.53	0.41	"		0.53			0.00	25	
Propylene		ND	0.14	"		ND				25	
Styrene		ND	0.36	"		ND				25	
Tetrachloroethylene		0.34	0.57	"		0.28			18.2	25	
Tetrahydrofuran		ND	0.49	"		ND				25	
Toluene		4.3	0.31	"		4.2			2.96	25	
trans-1,2-Dichloroethylene		ND	0.33	"		ND				25	
trans-1,3-Dichloropropylene		ND	0.38	"		ND				25	
Trichloroethylene		ND	0.11	"		ND				25	
Trichlorofluoromethane (Freon 11)		1.2	0.47	"		1.2			3.92	25	
Vinyl acetate		ND	0.29	"		ND				25	
Vinyl bromide		ND	0.36	"		ND				25	
Vinyl Chloride		ND	0.11	"		ND				25	





Sample and Data Qualifiers Relating to This Work Order

- QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QR-01 Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.

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.

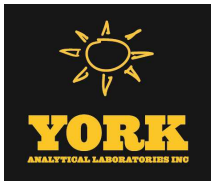
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

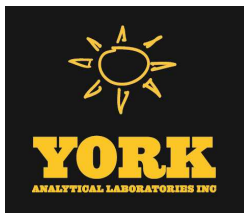
2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

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.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/16/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0404



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/16/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0404

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 08, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0404-01	EC_SOFB05_030821	Water	03/08/2021	03/08/2021
21C0404-03	SB08_8-10_030821	Soil	03/08/2021	03/08/2021
21C0404-04	SB08_0.5-2_030821	Soil	03/08/2021	03/08/2021
21C0404-05	SB08_0-0.5_030821	Soil	03/08/2021	03/08/2021
21C0404-07	SB05_0-2_030821	Soil	03/08/2021	03/08/2021
21C0404-08	SB05_8-10_030821	Soil	03/08/2021	03/08/2021
21C0404-09	SB02_0-0.5_030821	Soil	03/08/2021	03/08/2021
21C0404-10	SB02_6-8_030821	Soil	03/08/2021	03/08/2021
21C0404-11	SB02_0.5-2_030821	Soil	03/08/2021	03/08/2021
21C0404-13	SODUP02_030821	Soil	03/08/2021	03/08/2021

General Notes for York Project (SDG) No.: 21C0404

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: 03/16/2021





Sample Information

Client Sample ID: EC_SOFB05_030821

York Sample ID: 21C0404-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Water

March 8, 2021 4:45 pm

03/08/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.44	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.977	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 19:41	WL



Sample Information

Client Sample ID: EC_SOFB05_030821

York Sample ID: 21C0404-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Water

March 8, 2021 4:45 pm

03/08/2021

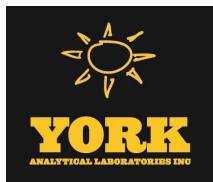
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	0.977	1	EPA 537m	03/12/2021 12:16	03/15/2021 19:41	WL
Certifications:										
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		117 %	25-150							
Surrogate: M5PFHxA		120 %	25-150							
Surrogate: M4PFHpA		91.5 %	25-150							
Surrogate: M3PFHxS		99.4 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		121 %	25-150							
Surrogate: M6PFDA		129 %	25-150							
Surrogate: M7PFUdA		123 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		118 %	25-150							
Surrogate: M2PFTeDA		86.9 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		122 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		101 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic a		118 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		92.2 %	10-150							
Surrogate: d3-N-MeFOSAA		78.3 %	25-150							
Surrogate: d5-N-EtFOSAA		92.8 %	25-150							
Surrogate: M2-6:2 FTS		94.2 %	25-150							
Surrogate: M2-8:2 FTS		132 %	25-150							
Surrogate: M9PFNA		124 %	25-150							



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:40 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
71-55-6	1,1,1-Trichloroethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/12/2021 06:47	03/16/2021 05:22	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-34-3	1,1-Dichloroethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-35-4	1,1-Dichloroethylene	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/12/2021 06:47	03/16/2021 05:22	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
95-63-6	1,2,4-Trimethylbenzene	260		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
107-06-2	1,2-Dichloroethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
108-67-8	1,3,5-Trimethylbenzene	90		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	220	450	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
78-93-3	2-Butanone	12	B, IS-HI, J	mg/kg dry	11	45	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:40 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
67-64-1	Acetone	ND	IS-HI	mg/kg dry	22	45	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
107-02-8	Acrolein	ND	IS-HI	mg/kg dry	22	45	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
107-13-1	Acrylonitrile	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
71-43-2	Benzene	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
74-97-5	Bromochloromethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-25-2	Bromoform	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
74-83-9	Bromomethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-15-0	Carbon disulfide	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
56-23-5	Carbon tetrachloride	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-00-3	Chloroethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
67-66-3	Chloroform	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
74-87-3	Chloromethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
156-59-2	cis-1,2-Dichloroethylene	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
110-82-7	Cyclohexane	160	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
74-95-3	Dibromomethane	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-71-8	Dichlorodifluoromethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:40 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	130		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
98-82-8	Isopropylbenzene	22		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
79-20-9	Methyl acetate	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
108-87-2	Methylcyclohexane	610		mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-09-2	Methylene chloride	ND	IS-01, IS-HI	mg/kg dry	22	45	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
104-51-8	n-Butylbenzene	21	J	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
103-65-1	n-Propylbenzene	41		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
95-47-6	o-Xylene	180		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
179601-23-1	p- & m- Xylenes	530		mg/kg dry	22	45	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
100-42-5	Styrene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-65-0	tert-Butyl alcohol (TBA)	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
108-88-3	Toluene	32		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
156-60-5	trans-1,2-Dichloroethylene	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD
75-69-4	Trichlorofluoromethane	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 05:22	MD



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:40 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	IS-HI	mg/kg dry	11	22	5000	EPA 8260C	03/12/2021 06:47	03/16/2021 05:22	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	720		mg/kg dry	34	67	5000	EPA 8260C	03/12/2021 06:47	03/16/2021 05:22	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	48.2 %	IS-HI, S-03	77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %		76-130							

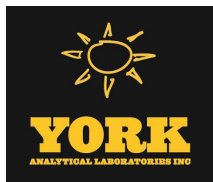
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
91-57-6	2-Methylnaphthalene	9.30		mg/kg dry	0.234	0.466	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/15/2021 14:51	CD



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

21C0404

Client Project ID

170430001

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Collection Date/Time

March 8, 2021 3:40 pm

Date Received

03/08/2021

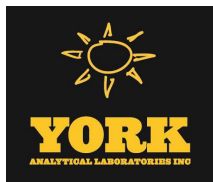
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
83-32-9	Acenaphthene	0.177		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
62-53-3	Aniline	ND		mg/kg dry	0.187	0.373	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
120-12-7	Anthracene	0.0976		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
56-55-3	Benzo(a)anthracene	0.0961		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

21C0404

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 8, 2021 3:40 pm

Date Received

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.0670	J	mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
205-99-2	Benzo(b)fluoranthene	0.0596	J	mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
207-08-9	Benzo(k)fluoranthene	0.0551	J	mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
218-01-9	Chrysene	0.110		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0932	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
206-44-0	Fluoranthene	0.273		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.
21C0404

Client Project ID
170430001

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Soil

Collection Date/Time
March 8, 2021 3:40 pm

Date Received
03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.238		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
91-20-3	Naphthalene	11.5		mg/kg dry	0.234	0.466	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/15/2021 14:51	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
85-01-8	Phenanthrene	0.548		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
108-95-2	Phenol	ND		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
129-00-0	Pyrene	0.253		mg/kg dry	0.0467	0.0932	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:18	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	67.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	68.1 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	94.0 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	77.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	106 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	102 %	24-116								



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:40 pm

Date Received
03/08/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 14:16	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %								
					39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL



Sample Information

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March 8, 2021 3:40 pm

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.563	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 18:53	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		92.5 %	25-150							
Surrogate: M5PFHxA		96.2 %	25-150							
Surrogate: M4PFHpA		65.7 %	25-150							
Surrogate: M3PFHxS		71.5 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		90.4 %	25-150							
Surrogate: M6PFDA		84.9 %	25-150							
Surrogate: M7PFUdA		77.6 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		74.9 %	25-150							
Surrogate: M2PFTeDA		74.0 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		106 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		77.7 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		96.7 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		72.3 %	10-150							
Surrogate: d3-N-MeFOSAA		55.7 %	25-150							
Surrogate: d5-N-EtFOSAA		57.4 %	25-150							
Surrogate: M2-6:2 FTS		66.6 %	25-150							
Surrogate: M2-8:2 FTS		87.3 %	25-150							
Surrogate: M9PFNA		114 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:40 pm

03/08/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 11:58	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 11:58	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 11:58	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 11:58	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0369	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 11:58	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	95.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	80.6 %	30-150							



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:40 pm

Date Received
03/08/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:34	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A Certifications:	03/10/2021 06:36	03/10/2021 22:34	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	84.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	68.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0225	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:24	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0225	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:24	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0225	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:24	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	87.0 %	21-150							

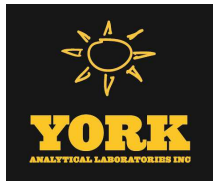
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		132-02 89th AVENUE		RICHMOND HILL, NY 11418				
www.YORKLAB.com		(203) 325-1371		FAX (203) 357-0166		ClientServices@yorklab.com				



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:40 pm

03/08/2021

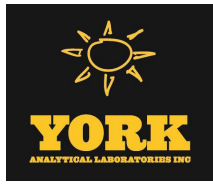
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7500		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-38-2	Arsenic	2.95		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-39-3	Barium	59.0		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.339	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-70-2	Calcium	11700		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-47-3	Chromium	18.7		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-48-4	Cobalt	7.21		mg/kg dry	0.451	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-50-8	Copper	13.5		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7439-89-6	Iron	14200		mg/kg dry	28.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7439-92-1	Lead	8.89		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7439-95-4	Magnesium	7730		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7439-96-5	Manganese	190		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-02-0	Nickel	22.6		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-09-7	Potassium	1760	B	mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-22-4	Silver	ND		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-23-5	Sodium	170		mg/kg dry	56.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM
7440-62-2	Vanadium	23.0		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM



Sample Information

Client Sample ID: SB08_8-10_030821

York Sample ID: 21C0404-03

York Project (SDG) No.

21C0404

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 8, 2021 3:40 pm

Date Received

03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	33.8		mg/kg dry	2.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:05	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0339	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2021 14:04	03/15/2021 14:54	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.564	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/10/2021 10:01	03/10/2021 17:01	JAG

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.7		mg/kg	0.500	1	Calculation Certifications:	03/15/2021 13:17	03/15/2021 17:47	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.564	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 10:17	03/10/2021 15:27	OT

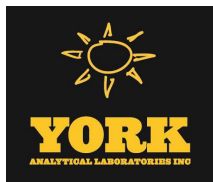
Total Solids

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
solids	* % Solids	88.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/10/2021 08:50	03/10/2021 16:35	OT



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:35 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/10/2021 04:29	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/10/2021 04:29	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
95-63-6	1,2,4-Trimethylbenzene	0.0062		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
108-67-8	1,3,5-Trimethylbenzene	0.0027	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
78-93-3	2-Butanone	0.013	B	mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:35 pm

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
67-64-1	Acetone	0.050		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-15-0	Carbon disulfide	0.024		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
110-82-7	Cyclohexane	0.013		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:35 pm

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
108-87-2	Methylcyclohexane	0.015		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-09-2	Methylene chloride	0.0065	J	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
95-47-6	o-Xylene	0.0043	J	mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
179601-23-1	p- & m- Xylenes	0.0088	J	mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:35 pm

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 04:29	KHA
1330-20-7	Xylenes, Total	0.013	J	mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/10/2021 04:29	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.5 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	98.1 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
91-57-6	2-Methylnaphthalene	0.143		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:35 pm

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
83-32-9	Acenaphthene	0.135		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
62-53-3	Aniline	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
120-12-7	Anthracene	0.229		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
92-87-5	Benzidine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
56-55-3	Benzo(a)anthracene	0.405		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:35 pm

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.348		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
205-99-2	Benzo(b)fluoranthene	0.284		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
191-24-2	Benzo(g,h,i)perylene	0.234		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
207-08-9	Benzo(k)fluoranthene	0.285		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0553	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
86-74-8	Carbazole	0.0658	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
218-01-9	Chrysene	0.387		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
53-70-3	Dibenzo(a,h)anthracene	0.0770	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
132-64-9	Dibenzofuran	0.0833	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
206-44-0	Fluoranthene	0.975		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:35 pm

Date Received
03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.133		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.195		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
91-20-3	Naphthalene	0.139		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
85-01-8	Phenanthrene	0.888		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
108-95-2	Phenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
129-00-0	Pyrene	0.826		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
110-86-1	Pyridine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 12:50	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	18.8 %	S-08	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	49.6 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.0 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.4 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	22.0 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	85.0 %		24-116							



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:35 pm

Date Received
03/08/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 14:35	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %								
					39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL



Sample Information

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21C0404

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170430001

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Soil

Collection Date/Time
March 8, 2021 3:35 pm

Date Received
03/08/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.521	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:16	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		79.9 %	25-150							
Surrogate: M5PFHxA		75.1 %	25-150							
Surrogate: M4PFHpA		55.0 %	25-150							
Surrogate: M3PFHxS		66.9 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		82.4 %	25-150							
Surrogate: M6PFDA		85.9 %	25-150							
Surrogate: M7PFUdA		68.0 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		74.5 %	25-150							
Surrogate: M2PFTeDA		62.3 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		81.8 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		60.2 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		74.1 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		52.1 %	10-150							
Surrogate: d3-N-MeFOSAA		35.3 %	25-150							
Surrogate: d5-N-EtFOSAA		42.0 %	25-150							
Surrogate: M2-6:2 FTS		59.7 %	25-150							
Surrogate: M2-8:2 FTS		107 %	25-150							
Surrogate: M9PFNA		96.3 %	25-150							

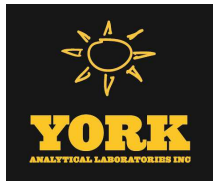
Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.

21C0404

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 8, 2021 3:35 pm

Date Received

03/08/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 12:14	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 12:14	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
72-20-8	Endrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 12:14	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:14	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0345	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 12:14	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	104 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	38.6 %	30-150							



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:35 pm

Date Received
03/08/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 22:47	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0174	1	EPA 8082A Certifications:	03/10/2021 06:36	03/10/2021 22:47	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	53.5 %		30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:35	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:35	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:35	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	2.00 %	S-09	21-150						

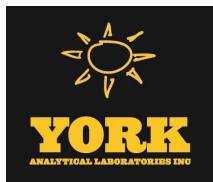
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:35 pm

03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7260		mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-38-2	Arsenic	13.2		mg/kg dry	1.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-39-3	Barium	61.6		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-43-9	Cadmium	0.440		mg/kg dry	0.318	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-70-2	Calcium	64800		mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-47-3	Chromium	49.8		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-48-4	Cobalt	5.87		mg/kg dry	0.424	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-50-8	Copper	55.3		mg/kg dry	2.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7439-89-6	Iron	12100		mg/kg dry	26.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7439-92-1	Lead	47.2		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7439-95-4	Magnesium	9670		mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7439-96-5	Manganese	171		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-02-0	Nickel	19.2		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-09-7	Potassium	1400	B	mg/kg dry	5.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-22-4	Silver	ND		mg/kg dry	0.530	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-23-5	Sodium	295		mg/kg dry	53.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.65	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM
7440-62-2	Vanadium	19.7		mg/kg dry	1.06	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:08	WJM



Sample Information

Client Sample ID: SB08_0.5-2_030821

York Sample ID: 21C0404-04

York Project (SDG) No.

21C0404

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 8, 2021 3:35 pm

Date Received

03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	101		mg/kg dry	2.65	1	EPA 6010D	03/10/2021 17:00	03/15/2021 14:08	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.265		mg/kg dry	0.0318	1	EPA 7473	03/15/2021 14:04	03/15/2021 15:02	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.530	1	EPA 7196A	03/10/2021 10:01	03/10/2021 17:01	JAG
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	49.8		mg/kg	0.500	1	Calculation	03/15/2021 13:17	03/15/2021 17:47	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.20		mg/kg dry	0.530	1	EPA 9014/9010C	03/10/2021 10:17	03/10/2021 15:27	OT
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Total 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
solids	* % Solids	94.3		%	0.100	1	SM 2540G	03/10/2021 08:50	03/10/2021 16:35	OT
Certifications: CTDOH										



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:30 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 04:55	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 04:55	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
78-93-3	2-Butanone	0.0045	J, B	mg/kg dry	0.0022	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:30 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
67-64-1	Acetone	0.017		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:30 pm

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-09-2	Methylene chloride	0.0066	J	mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:30 pm

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 04:55	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 04:55	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.8 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	102 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:30 pm

03/08/2021

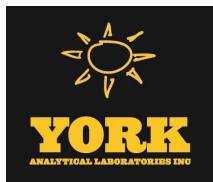
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
56-55-3	Benzo(a)anthracene	0.0526	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 3:30 pm

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.0608	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
205-99-2	Benzo(b)fluoranthene	0.0541	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
191-24-2	Benzo(g,h,i)perylene	0.0526	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0781	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
218-01-9	Chrysene	0.0616	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
206-44-0	Fluoranthene	0.101		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:30 pm

Date Received
03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
85-01-8	Phenanthrene	0.0503	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
129-00-0	Pyrene	0.0886	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 13:22	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	58.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	62.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	97.8 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.4 %	24-116								



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:30 pm

Date Received
03/08/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 14:54	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	50.0 %					39-127.5			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL



Sample Information

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170430001

Soil

March 8, 2021 3:30 pm

03/08/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.566	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 19:38	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	77.9 %	25-150
Surrogate: M5PFHxA	83.4 %	25-150
Surrogate: M4PFHpA	59.2 %	25-150
Surrogate: M3PFHxS	65.8 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	90.3 %	25-150
Surrogate: M6PFDA	76.0 %	25-150
Surrogate: M7PFUdA	58.2 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	55.3 %	25-150
Surrogate: M2PFTeDA	52.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	88.1 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	61.4 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid	79.1 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	47.5 %	10-150
Surrogate: d3-N-MeFOSAA	46.3 %	25-150
Surrogate: d5-N-EtFOSAA	48.3 %	25-150
Surrogate: M2-6:2 FTS	74.9 %	25-150
Surrogate: M2-8:2 FTS	95.6 %	25-150
Surrogate: M9PFNA	106 %	25-150

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM



Sample Information

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 12:31	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 12:31	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 12:31	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:31	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0370	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 12:31	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	95.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	58.8 %	30-150							



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:30 pm

Date Received
03/08/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:01	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	03/10/2021 06:36	03/10/2021 23:01	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	69.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	56.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 18:43	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 18:43	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 18:43	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	54.6 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 3:30 pm

Date Received
03/08/2021

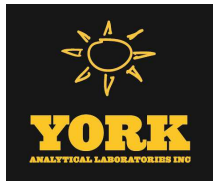
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9140		mg/kg dry	5.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-38-2	Arsenic	12.7		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-39-3	Barium	195		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-43-9	Cadmium	0.682		mg/kg dry	0.341	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-70-2	Calcium	98500		mg/kg dry	5.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-47-3	Chromium	43.6		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-48-4	Cobalt	6.48		mg/kg dry	0.455	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-50-8	Copper	33.7		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7439-89-6	Iron	19900		mg/kg dry	28.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7439-92-1	Lead	21.9		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7439-95-4	Magnesium	10100		mg/kg dry	5.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7439-96-5	Manganese	260		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-02-0	Nickel	22.2		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-09-7	Potassium	1250	B	mg/kg dry	5.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-22-4	Silver	ND		mg/kg dry	0.569	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-23-5	Sodium	240		mg/kg dry	56.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM
7440-62-2	Vanadium	23.4		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM



Sample Information

Client Sample ID: SB08_0-0.5_030821

York Sample ID: 21C0404-05

York Project (SDG) No.

21C0404

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 8, 2021 3:30 pm

Date Received

03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	205		mg/kg dry	2.84	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 17:00	03/15/2021 14:10	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0365		mg/kg dry	0.0341	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2021 14:04	03/15/2021 15:15	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	0.728		mg/kg dry	0.569	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/11/2021 08:00	03/11/2021 15:40	OT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	42.9		mg/kg	0.500	1	Calculation Certifications:	03/15/2021 13:17	03/15/2021 17:47	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.569	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 10:17	03/10/2021 15:27	OT

Total 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
solids	* % Solids	87.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/10/2021 08:50	03/10/2021 16:35	OT



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 1:45 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 05:46	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 05:46	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
95-63-6	1,2,4-Trimethylbenzene	0.012		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
78-93-3	2-Butanone	0.0081	J, B	mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 1:45 pm

Date Received
03/08/2021

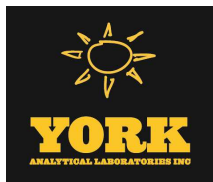
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
67-64-1	Acetone	0.019		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
71-43-2	Benzene	0.0031	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-15-0	Carbon disulfide	0.0039	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
110-82-7	Cyclohexane	0.027		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 1:45 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
108-87-2	Methylcyclohexane	0.076		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-09-2	Methylene chloride	0.0094	J	mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
95-47-6	o-Xylene	0.0038	J	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 1:45 pm

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 05:46	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 05:46	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.5 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	97.8 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	104 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
91-57-6	2-Methylnaphthalene	0.229		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 1:45 pm

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
83-32-9	Acenaphthene	0.866		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
62-53-3	Aniline	ND		mg/kg dry	0.168	0.335	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
120-12-7	Anthracene	1.22		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
92-87-5	Benzidine	ND		mg/kg dry	0.168	0.335	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
56-55-3	Benzo(a)anthracene	3.23		mg/kg dry	0.210	0.419	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/15/2021 10:49	CD



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 1:45 pm

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	2.60		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
205-99-2	Benzo(b)fluoranthene	1.64		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
191-24-2	Benzo(g,h,i)perylene	1.43		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
207-08-9	Benzo(k)fluoranthene	1.75		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
86-74-8	Carbazole	0.0904		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
218-01-9	Chrysene	3.66		mg/kg dry	0.210	0.419	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/15/2021 10:49	CD
53-70-3	Dibenzo(a,h)anthracene	0.480		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
132-64-9	Dibenzofuran	0.181		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0837	0.167	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
206-44-0	Fluoranthene	6.12		mg/kg dry	0.210	0.419	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/15/2021 10:49	CD



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.
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March 8, 2021 1:45 pm

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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.653		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
193-39-5	Indeno(1,2,3-cd)pyrene	1.16		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
91-20-3	Naphthalene	0.332		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
85-01-8	Phenanthrene	6.94		mg/kg dry	0.210	0.419	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/15/2021 10:49	CD
108-95-2	Phenol	ND		mg/kg dry	0.0420	0.0837	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
129-00-0	Pyrene	8.14		mg/kg dry	0.210	0.419	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/15/2021 10:49	CD
110-86-1	Pyridine	ND		mg/kg dry	0.168	0.335	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 14:58	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	58.4 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	61.7 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	105 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	92.3 %	24-116								



Sample Information

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March 8, 2021 1:45 pm

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Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 15:49	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL



Sample Information

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.499	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 20:45	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		78.3 %		25-150						
Surrogate: M5PFHxA		84.7 %		25-150						
Surrogate: M4PFHpA		61.3 %		25-150						
Surrogate: M3PFHxS		69.6 %		25-150						
Surrogate: Perfluoro-n-[13C8]octanoic aci		100 %		25-150						
Surrogate: M6PFDA		102 %		25-150						
Surrogate: M7PFUdA		62.3 %		25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		54.5 %		25-150						
Surrogate: M2PFTeDA		43.5 %		10-150						
Surrogate: Perfluoro-n-[13C4]butanoic aci		83.7 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfor		60.2 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic ac		78.3 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfor		35.3 %		10-150						
Surrogate: d3-N-MeFOSAA		43.5 %		25-150						
Surrogate: d5-N-EtFOSAA		58.2 %		25-150						
Surrogate: M2-6:2 FTS		130 %		25-150						
Surrogate: M2-8:2 FTS		196 %	PFSu-H	25-150						
Surrogate: M9PFNA		95.3 %		25-150						

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM



Sample Information

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 12:48	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 12:48	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
72-20-8	Endrin	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 12:48	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.167	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 12:48	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0334	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 12:48	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	65.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	38.6 %	30-150							



Sample Information

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March 8, 2021 1:45 pm

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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:14	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0168	1	EPA 8082A Certifications:	03/10/2021 06:36	03/10/2021 23:14	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	54.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0200	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 18:54	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0200	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 18:54	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0200	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 18:54	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	49.8 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 1:45 pm

03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6510		mg/kg dry	5.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-38-2	Arsenic	10.8		mg/kg dry	1.52	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-39-3	Barium	92.0		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.051	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-43-9	Cadmium	0.403		mg/kg dry	0.304	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-70-2	Calcium	11500		mg/kg dry	5.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-47-3	Chromium	17.6		mg/kg dry	0.507	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-48-4	Cobalt	6.25		mg/kg dry	0.406	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-50-8	Copper	43.0		mg/kg dry	2.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7439-89-6	Iron	18800		mg/kg dry	25.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7439-92-1	Lead	279		mg/kg dry	0.507	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7439-95-4	Magnesium	3670		mg/kg dry	5.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7439-96-5	Manganese	243		mg/kg dry	0.507	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-02-0	Nickel	20.1		mg/kg dry	1.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-09-7	Potassium	1450	B	mg/kg dry	5.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-22-4	Silver	ND		mg/kg dry	0.507	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-23-5	Sodium	347		mg/kg dry	50.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM
7440-62-2	Vanadium	19.4		mg/kg dry	1.01	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM



Sample Information

Client Sample ID: SB05_0-2_030821

York Sample ID: 21C0404-07

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 1:45 pm

Date Received
03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	139		mg/kg dry	2.54	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:07	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	1.31		mg/kg dry	0.0304	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2021 14:04	03/15/2021 16:08	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.507	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/11/2021 08:00	03/11/2021 15:40	OT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.6		mg/kg	0.500	1	Calculation Certifications:	03/15/2021 13:17	03/15/2021 17:47	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.507	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 10:17	03/10/2021 15:27	OT

Total 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
solids	* % Solids	98.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2021 10:00	03/12/2021 08:58	ALH



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 1:50 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
71-55-6	1,1,1-Trichloroethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/12/2021 06:47	03/16/2021 00:20	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-34-3	1,1-Dichloroethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-35-4	1,1-Dichloroethylene	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/12/2021 06:47	03/16/2021 00:20	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
95-63-6	1,2,4-Trimethylbenzene	330		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
107-06-2	1,2-Dichloroethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
108-67-8	1,3,5-Trimethylbenzene	120		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	250	500	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
78-93-3	2-Butanone	13	B, IS-LO, J	mg/kg dry	13	50	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 1:50 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
67-64-1	Acetone	ND	IS-LO	mg/kg dry	25	50	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
107-02-8	Acrolein	ND	IS-LO	mg/kg dry	25	50	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
107-13-1	Acrylonitrile	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
71-43-2	Benzene	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
74-97-5	Bromochloromethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-25-2	Bromoform	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
74-83-9	Bromomethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-15-0	Carbon disulfide	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
56-23-5	Carbon tetrachloride	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-00-3	Chloroethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
67-66-3	Chloroform	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
74-87-3	Chloromethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
156-59-2	cis-1,2-Dichloroethylene	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
110-82-7	Cyclohexane	190	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
74-95-3	Dibromomethane	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-71-8	Dichlorodifluoromethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 1:50 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	140		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
98-82-8	Isopropylbenzene	23	J	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
79-20-9	Methyl acetate	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
108-87-2	Methylcyclohexane	680		mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-09-2	Methylene chloride	ND	IS-LO	mg/kg dry	25	50	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
104-51-8	n-Butylbenzene	28		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
103-65-1	n-Propylbenzene	53		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
95-47-6	o-Xylene	160		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
179601-23-1	p- & m- Xylenes	530		mg/kg dry	25	50	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
100-42-5	Styrene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-65-0	tert-Butyl alcohol (TBA)	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
108-88-3	Toluene	53		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
156-60-5	trans-1,2-Dichloroethylene	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD
75-69-4	Trichlorofluoromethane	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/12/2021 06:47	03/16/2021 00:20	MD



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.

Client Project ID

Matrix

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21C0404

170430001

Soil

March 8, 2021 1:50 pm

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND	IS-LO	mg/kg dry	13	25	5000	EPA 8260C	03/12/2021 06:47	03/16/2021 00:20	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	690		mg/kg dry	38	75	5000	EPA 8260C	03/12/2021 06:47	03/16/2021 00:20	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	47.9 %	S-03, IS-LO	77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	100 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
91-57-6	2-Methylnaphthalene	2.70		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.

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170430001

Soil

March 8, 2021 1:50 pm

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
83-32-9	Acenaphthene	0.0575	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD



Sample Information

Client Sample ID: SB05_8-10_030821

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21C0404

170430001

Soil

March 8, 2021 1:50 pm

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
218-01-9	Chrysene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
206-44-0	Fluoranthene	0.0944		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 1:50 pm

Date Received
03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0826	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
91-20-3	Naphthalene	1.47		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
85-01-8	Phenanthrene	0.183		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
129-00-0	Pyrene	0.0937		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
110-86-1	Pyridine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 15:30	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	76.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	75.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	91.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	82.9 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	122 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	114 %	24-116								



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.
21C0404

Client Project ID
170430001

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Soil

Collection Date/Time
March 8, 2021 1:50 pm

Date Received
03/08/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 16:07	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	58.0 %								

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL



Sample Information

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.511	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:07	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		98.1 %	25-150							
Surrogate: M5PFHxA		100 %	25-150							
Surrogate: M4PFHpA		66.8 %	25-150							
Surrogate: M3PFHxS		75.7 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		91.5 %	25-150							
Surrogate: M6PFDA		90.8 %	25-150							
Surrogate: M7PFUdA		76.5 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		75.0 %	25-150							
Surrogate: M2PFTeDA		75.2 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		132 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		76.6 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		106 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		76.6 %	10-150							
Surrogate: d3-N-MeFOSAA		59.1 %	25-150							
Surrogate: d5-N-EtFOSAA		71.6 %	25-150							
Surrogate: M2-6:2 FTS		57.0 %	25-150							
Surrogate: M2-8:2 FTS		75.0 %	25-150							
Surrogate: M9PFNA		117 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM



Sample Information

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 13:05	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 13:05	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 13:05	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:05	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0359	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 13:05	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	80.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	62.5 %	30-150							



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.
21C0404

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170430001

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Collection Date/Time
March 8, 2021 1:50 pm

Date Received
03/08/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:28	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	03/10/2021 06:36	03/10/2021 23:28	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	53.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:05	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:05	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0220	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:05	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	67.0 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.

Client Project ID

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21C0404

170430001

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March 8, 2021 1:50 pm

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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6830		mg/kg dry	5.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-38-2	Arsenic	3.25		mg/kg dry	1.68	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-39-3	Barium	57.9		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.335	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-70-2	Calcium	2880		mg/kg dry	5.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-47-3	Chromium	16.1		mg/kg dry	0.559	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-48-4	Cobalt	6.69		mg/kg dry	0.447	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-50-8	Copper	13.5		mg/kg dry	2.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7439-89-6	Iron	14400		mg/kg dry	27.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7439-92-1	Lead	9.39		mg/kg dry	0.559	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7439-95-4	Magnesium	3210		mg/kg dry	5.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7439-96-5	Manganese	193		mg/kg dry	0.559	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-02-0	Nickel	20.4		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-09-7	Potassium	1930	B	mg/kg dry	5.59	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-22-4	Silver	ND		mg/kg dry	0.559	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-23-5	Sodium	207		mg/kg dry	55.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM
7440-62-2	Vanadium	25.8		mg/kg dry	1.12	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM



Sample Information

Client Sample ID: SB05_8-10_030821

York Sample ID: 21C0404-08

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 1:50 pm

Date Received
03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	31.5		mg/kg dry	2.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 15:29	03/15/2021 17:10	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0335	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2021 14:04	03/15/2021 16:18	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.559	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/11/2021 08:00	03/11/2021 15:40	OT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	16.1		mg/kg	0.500	1	Calculation Certifications:	03/15/2021 13:17	03/15/2021 17:47	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.559	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 10:17	03/10/2021 15:27	OT

Total 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
solids	* % Solids	89.5		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2021 10:00	03/12/2021 08:58	ALH



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 10:50 am

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 06:38	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 06:38	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
78-93-3	2-Butanone	0.0051	J, B	mg/kg dry	0.0028	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 10:50 am

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
67-64-1	Acetone	0.012		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 10:50 am

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-09-2	Methylene chloride	0.015		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 10:50 am

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 06:38	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 06:38	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.2 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	96.9 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.7 %		76-130							

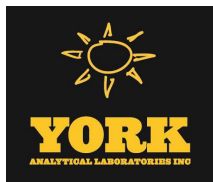
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

21C0404

170430001

Soil

March 8, 2021 10:50 am

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
62-53-3	Aniline	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 10:50 am

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0734	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
218-01-9	Chrysene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0892	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
206-44-0	Fluoranthene	0.0699	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 10:50 am

Date Received
03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
85-01-8	Phenanthrene	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
108-95-2	Phenol	ND		mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
129-00-0	Pyrene	0.0642	J	mg/kg dry	0.0447	0.0892	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.357	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:02	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	68.3 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	72.5 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	78.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	117 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	105 %	24-116								



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 10:50 am

Date Received
03/08/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 16:25	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	50.0 %					39-127.5			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.497	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 21:52	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	80.9 %	25-150
Surrogate: M5PFHxA	81.5 %	25-150
Surrogate: M4PFHpA	61.2 %	25-150
Surrogate: M3PFHxS	64.7 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	85.1 %	25-150
Surrogate: M6PFDA	76.8 %	25-150
Surrogate: M7PFUdA	61.3 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	65.8 %	25-150
Surrogate: M2PFTeDA	58.2 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	84.2 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	60.9 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid	78.2 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	56.4 %	10-150
Surrogate: d3-N-MeFOSAA	44.1 %	25-150
Surrogate: d5-N-EtFOSAA	46.2 %	25-150
Surrogate: M2-6:2 FTS	67.9 %	25-150
Surrogate: M2-8:2 FTS	94.9 %	25-150
Surrogate: M9PFNA	101 %	25-150

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 13:22	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 13:22	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 13:22	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:22	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0351	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 13:22	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	108 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.9 %	30-150							



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.
21C0404

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170430001

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Collection Date/Time
March 8, 2021 10:50 am

Date Received
03/08/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:42	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	03/10/2021 06:36	03/10/2021 23:42	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	75.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	60.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:27	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:27	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0213	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:27	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	69.8 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@		



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.
21C0404

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Matrix
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March 8, 2021 10:50 am

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03/08/2021

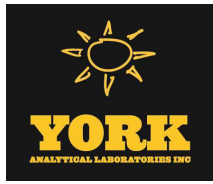
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7170		mg/kg dry	5.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-38-2	Arsenic	4.93		mg/kg dry	1.62	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-39-3	Barium	142		mg/kg dry	2.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-43-9	Cadmium	0.367		mg/kg dry	0.324	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-70-2	Calcium	49200		mg/kg dry	5.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-47-3	Chromium	28.5		mg/kg dry	0.540	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-48-4	Cobalt	4.11		mg/kg dry	0.432	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-50-8	Copper	38.9		mg/kg dry	2.16	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7439-89-6	Iron	12100		mg/kg dry	27.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7439-92-1	Lead	23.8		mg/kg dry	0.540	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7439-95-4	Magnesium	7270		mg/kg dry	5.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7439-96-5	Manganese	288		mg/kg dry	0.540	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-02-0	Nickel	17.9		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-09-7	Potassium	576	B	mg/kg dry	5.40	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-22-4	Silver	ND		mg/kg dry	0.540	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-23-5	Sodium	674		mg/kg dry	54.0	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM
7440-62-2	Vanadium	28.0		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM



Sample Information

Client Sample ID: SB02_0-0.5_030821

York Sample ID: 21C0404-09

York Project (SDG) No.

21C0404

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 8, 2021 10:50 am

Date Received

03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	150		mg/kg dry	2.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:30	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0324	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2021 14:04	03/15/2021 16:27	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.540	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/11/2021 08:00	03/11/2021 15:40	OT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	28.5		mg/kg	0.500	1	Calculation Certifications:	03/15/2021 13:17	03/15/2021 17:47	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.540	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 10:17	03/10/2021 15:27	OT

Total 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
solids	* % Solids	92.6		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2021 10:00	03/12/2021 08:58	ALH



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 11:15 am

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/10/2021 07:03	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/10/2021 07:03	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
78-93-3	2-Butanone	0.027	B	mg/kg dry	0.0022	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 11:15 am

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
67-64-1	Acetone	0.055		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 11:15 am

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 11:15 am

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 06:47	03/10/2021 07:03	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 06:47	03/10/2021 07:03	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	94.2 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	99.5 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	118 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
91-57-6	2-Methylnaphthalene	0.210		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 11:15 am

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
83-32-9	Acenaphthene	0.0830	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
208-96-8	Acenaphthylene	0.0865	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
62-53-3	Aniline	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
120-12-7	Anthracene	0.139		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
56-55-3	Benzo(a)anthracene	0.366		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.

Client Project ID

Matrix

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21C0404

170430001

Soil

March 8, 2021 11:15 am

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.250		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
205-99-2	Benzo(b)fluoranthene	0.250		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
191-24-2	Benzo(g,h,i)perylene	0.279		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
207-08-9	Benzo(k)fluoranthene	0.195		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
218-01-9	Chrysene	0.697		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
53-70-3	Dibenzo(a,h)anthracene	0.0619	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
132-64-9	Dibenzofuran	0.0464	J	mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0880	0.176	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
206-44-0	Fluoranthene	0.616		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 11:15 am

Date Received
03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.101		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.198		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
91-20-3	Naphthalene	0.193		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
85-01-8	Phenanthrene	0.469		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
108-95-2	Phenol	ND		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
129-00-0	Pyrene	0.819		mg/kg dry	0.0441	0.0880	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 16:34	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	29.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	32.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	46.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	59.1 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	58.4 %	24-116								



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 11:15 am

Date Received
03/08/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 17:02	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	48.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.
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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.502	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:14	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		73.1 %		25-150						
Surrogate: M5PFHxA		81.2 %		25-150						
Surrogate: M4PFHpA		52.0 %		25-150						
Surrogate: M3PFHxS		62.5 %		25-150						
Surrogate: Perfluoro-n-[13C8]octanoic aci		93.7 %		25-150						
Surrogate: M6PFDA		66.4 %		25-150						
Surrogate: M7PFUdA		53.0 %		25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		40.5 %		25-150						
Surrogate: M2PFTeDA		27.7 %		10-150						
Surrogate: Perfluoro-n-[13C4]butanoic aci		78.2 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfor		50.8 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic ac		72.2 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfor		24.4 %		10-150						
Surrogate: d3-N-MeFOSAA		37.4 %		25-150						
Surrogate: d5-N-EtFOSAA		42.7 %		25-150						
Surrogate: M2-6:2 FTS		196 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		182 %	PFSu-H	25-150						
Surrogate: M9PFNA		75.5 %		25-150						

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.
21C0404

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170430001

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March 8, 2021 11:15 am

Date Received
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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 13:38	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 13:38	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 13:38	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.175	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:38	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0351	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 13:38	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	59.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	48.2 %	30-150							



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.
21C0404

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170430001

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Collection Date/Time
March 8, 2021 11:15 am

Date Received
03/08/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/10/2021 23:55	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	03/10/2021 06:36	03/10/2021 23:55	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	59.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	49.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:37	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:37	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0212	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 07:01	03/12/2021 19:37	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	51.4 %	21-150							

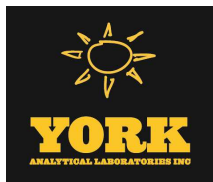
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.

Client Project ID

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Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7240		mg/kg dry	5.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-38-2	Arsenic	2.23		mg/kg dry	1.60	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-39-3	Barium	68.5		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-43-9	Cadmium	0.563		mg/kg dry	0.320	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-70-2	Calcium	40800		mg/kg dry	5.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-47-3	Chromium	12.4		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-48-4	Cobalt	4.89		mg/kg dry	0.426	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-50-8	Copper	133		mg/kg dry	2.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7439-89-6	Iron	19100		mg/kg dry	26.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7439-92-1	Lead	106		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7439-95-4	Magnesium	3050		mg/kg dry	5.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7439-96-5	Manganese	216		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-02-0	Nickel	27.4		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-09-7	Potassium	1240	B	mg/kg dry	5.33	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-22-4	Silver	ND		mg/kg dry	0.533	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-23-5	Sodium	220		mg/kg dry	53.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM
7440-62-2	Vanadium	14.8		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:32	WJM



Sample Information

Client Sample ID: SB02_6-8_030821

York Sample ID: 21C0404-10

York Project (SDG) No.
21C0404

Client Project ID
170430001

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Date Received
03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	152		mg/kg dry	2.66	1	EPA 6010D	03/11/2021 13:51	03/15/2021 14:32	WJM
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP										

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.194		mg/kg dry	0.0320	1	EPA 7473	03/15/2021 14:04	03/15/2021 16:57	BR
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.533	1	EPA 7196A	03/11/2021 08:00	03/11/2021 15:40	OT
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	12.4		mg/kg	0.500	1	Calculation	03/15/2021 13:17	03/15/2021 17:47	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.533	1	EPA 9014/9010C	03/10/2021 10:17	03/10/2021 15:27	OT
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Total 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
solids	* % Solids	93.8		%	0.100	1	SM 2540G	03/11/2021 10:00	03/12/2021 08:58	ALH
Certifications: CTDOH										



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.

Client Project ID

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03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 07:29	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 07:29	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.049	0.099	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
78-93-3	2-Butanone	0.0062	J, B	mg/kg dry	0.0025	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 11:05 am

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
67-64-1	Acetone	0.021		mg/kg dry	0.0049	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 11:05 am

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-09-2	Methylene chloride	0.0086	J	mg/kg dry	0.0049	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0049	0.0099	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 11:05 am

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0049	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 07:29	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 07:29	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	97.9 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	97.5 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.9 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD



Sample Information

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York Sample ID: 21C0404-11

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21C0404

170430001

Soil

March 8, 2021 11:05 am

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
62-53-3	Aniline	ND		mg/kg dry	0.171	0.342	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
92-87-5	Benzidine	ND		mg/kg dry	0.171	0.342	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
56-55-3	Benzo(a)anthracene	0.0457	J	mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.

Client Project ID

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170430001

Soil

March 8, 2021 11:05 am

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.0457	J	mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
205-99-2	Benzo(b)fluoranthene	0.0464	J	mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
218-01-9	Chrysene	0.0539	J	mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0854	0.171	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
206-44-0	Fluoranthene	0.0880		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD



Sample Information

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York Sample ID: 21C0404-11

York Project (SDG) No.
21C0404

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Soil

Collection Date/Time
March 8, 2021 11:05 am

Date Received
03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
85-01-8	Phenanthrene	0.0560	J	mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
108-95-2	Phenol	ND		mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
129-00-0	Pyrene	0.0730	J	mg/kg dry	0.0428	0.0854	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
110-86-1	Pyridine	ND		mg/kg dry	0.171	0.342	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:06	CD
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	16.4 %	S-08	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	51.2 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	73.2 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	71.3 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	20.5 %		19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	105 %		24-116							



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.
21C0404

Client Project ID
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Matrix
Soil

Collection Date/Time
March 8, 2021 11:05 am

Date Received
03/08/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 17:20	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.0 %								

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL



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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.508	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:36	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		86.5 %	25-150							
Surrogate: M5PFHxA		85.2 %	25-150							
Surrogate: M4PFHpA		60.8 %	25-150							
Surrogate: M3PFHxS		69.7 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		82.7 %	25-150							
Surrogate: M6PFDA		80.2 %	25-150							
Surrogate: M7PFUdA		69.0 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		78.3 %	25-150							
Surrogate: M2PFTeDA		72.7 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		93.9 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		68.1 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		88.4 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		62.9 %	10-150							
Surrogate: d3-N-MeFOSAA		32.6 %	25-150							
Surrogate: d5-N-EtFOSAA		38.9 %	25-150							
Surrogate: M2-6:2 FTS		65.7 %	25-150							
Surrogate: M2-8:2 FTS		73.5 %	25-150							
Surrogate: M9PFNA		103 %	25-150							

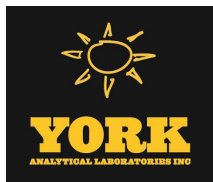
Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.

21C0404

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 8, 2021 11:05 am

Date Received

03/08/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 13:55	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 13:55	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
72-20-8	Endrin	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 13:55	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.168	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 13:55	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0336	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 13:55	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	92.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	52.2 %	30-150							



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.
21C0404

Client Project ID
170430001

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Soil

Collection Date/Time
March 8, 2021 11:05 am

Date Received
03/08/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:09	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0169	1	EPA 8082A Certifications:	03/10/2021 06:36	03/11/2021 00:09	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	60.5 %		30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0201	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:46	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0201	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:46	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0201	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:46	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	6.20 %	S-09	21-150						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 11:05 am

03/08/2021

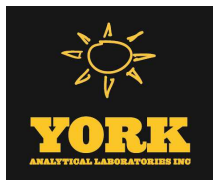
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7510		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-38-2	Arsenic	13.2		mg/kg dry	1.55	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-39-3	Barium	123		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-43-9	Cadmium	0.331		mg/kg dry	0.310	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-70-2	Calcium	103000		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-47-3	Chromium	30.7		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-48-4	Cobalt	4.05		mg/kg dry	0.414	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-50-8	Copper	19.3		mg/kg dry	2.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7439-89-6	Iron	12400		mg/kg dry	25.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7439-92-1	Lead	43.1		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7439-95-4	Magnesium	20600		mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7439-96-5	Manganese	283		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-02-0	Nickel	15.3		mg/kg dry	1.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-09-7	Potassium	964	B	mg/kg dry	5.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7782-49-2	Selenium	5.17		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-22-4	Silver	ND		mg/kg dry	0.517	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-23-5	Sodium	240		mg/kg dry	51.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.58	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM
7440-62-2	Vanadium	30.1		mg/kg dry	1.03	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:35	WJM



Sample Information

Client Sample ID: SB02_0.5-2_030821

York Sample ID: 21C0404-11

York Project (SDG) No.

21C0404

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 8, 2021 11:05 am

Date Received

03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	91.6		mg/kg dry	2.58	1	EPA 6010D	03/11/2021 13:51	03/15/2021 14:35	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0310	1	EPA 7473	03/15/2021 14:04	03/15/2021 17:05	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	0.538		mg/kg dry	0.517	1	EPA 7196A	03/11/2021 08:00	03/11/2021 15:40	OT
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	30.2		mg/kg	0.500	1	Calculation	03/15/2021 13:17	03/15/2021 17:47	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.517	1	EPA 9014/9010C	03/10/2021 10:17	03/10/2021 15:27	OT
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Total 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
solids	* % Solids	96.7		%	0.100	1	SM 2540G	03/11/2021 10:00	03/12/2021 08:58	ALH
							Certifications:	CTDOH		



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0404

170430001

Soil

March 8, 2021 12:00 am

03/08/2021

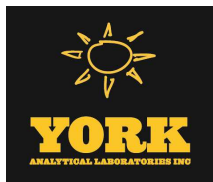
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 08:21	KHA
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 08:21	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
78-93-3	2-Butanone	0.0067	J, B	mg/kg dry	0.0025	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 12:00 am

03/08/2021

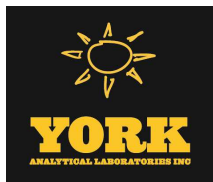
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
67-64-1	Acetone	0.029		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 12:00 am

03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-09-2	Methylene chloride	0.0088	J	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 12:00 am

Date Received
03/08/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/09/2021 15:21	03/10/2021 08:21	KHA
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/09/2021 15:21	03/10/2021 08:21	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.0 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	97.0 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	100 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 12:00 am

03/08/2021

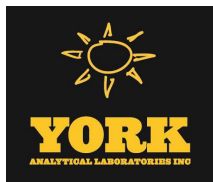
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
83-32-9	Acenaphthene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
98-86-2	Acetophenone	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
62-53-3	Aniline	ND		mg/kg dry	0.173	0.345	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
120-12-7	Anthracene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
1912-24-9	Atrazine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
92-87-5	Benzidine	ND		mg/kg dry	0.173	0.345	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
56-55-3	Benzo(a)anthracene	0.0599	J	mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0404

170430001

Soil

March 8, 2021 12:00 am

03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.0586	J	mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
205-99-2	Benzo(b)fluoranthene	0.0531	J	mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
207-08-9	Benzo(k)fluoranthene	0.0441	J	mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
65-85-0	Benzoic acid	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.0682	J	mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
105-60-2	Caprolactam	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
86-74-8	Carbazole	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
218-01-9	Chrysene	0.0620	J	mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
122-39-4	Diphenylamine	ND		mg/kg dry	0.0862	0.172	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
206-44-0	Fluoranthene	0.145		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 12:00 am

Date Received
03/08/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
78-59-1	Isophorone	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
91-20-3	Naphthalene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
85-01-8	Phenanthrene	0.131		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
108-95-2	Phenol	ND		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
129-00-0	Pyrene	0.112		mg/kg dry	0.0432	0.0862	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
110-86-1	Pyridine	ND		mg/kg dry	0.173	0.345	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 07:05	03/12/2021 17:38	CD
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	12.2 %	S-08	20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	48.8 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.4 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.9 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	11.7 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	93.4 %		24-116							



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 12:00 am

Date Received
03/08/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.62	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 17:39	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	54.0 %					39-127.5			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL



Sample Information

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York Sample ID: 21C0404-13

York Project (SDG) No.
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Matrix
Soil

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March 8, 2021 12:00 am

Date Received
03/08/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.477	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 22:59	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	93.5 %	25-150
Surrogate: M5PFHxA	85.8 %	25-150
Surrogate: M4PFHpA	59.6 %	25-150
Surrogate: M3PFHxS	69.6 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	78.9 %	25-150
Surrogate: M6PFDA	80.1 %	25-150
Surrogate: M7PFUDa	71.0 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	74.5 %	25-150
Surrogate: M2PFTeDA	72.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	94.4 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	72.9 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid	85.2 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfon	70.1 %	10-150
Surrogate: d3-N-MeFOSAA	34.8 %	25-150
Surrogate: d5-N-EtFOSAA	41.6 %	25-150
Surrogate: M2-6:2 FTS	66.3 %	25-150
Surrogate: M2-8:2 FTS	94.0 %	25-150
Surrogate: M9PFNA	95.0 %	25-150

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM



Sample Information

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 14:12	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/10/2021 06:36	03/12/2021 14:12	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
72-20-8	Endrin	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/10/2021 06:36	03/12/2021 14:12	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.169	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/12/2021 14:12	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0339	5	EPA 8081B Certifications:	03/10/2021 06:36	03/12/2021 14:12	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	102 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	52.5 %	30-150							



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 12:00 am

Date Received
03/08/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/10/2021 06:36	03/11/2021 00:36	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications:	03/10/2021 06:36	03/11/2021 00:36	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %								

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0208	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:56	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0208	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:56	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0208	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 10:49	03/15/2021 14:56	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	6.20 %	S-09							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615									
www.YORKLAB.com	(203) 325-1371									
132-02 89th AVENUE										
FAX (203) 357-0166										
RICHMOND HILL, NY 11418										
ClientServices@										



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 12:00 am

Date Received
03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7010		mg/kg dry	5.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-38-2	Arsenic	10.4		mg/kg dry	1.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-39-3	Barium	137		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.313	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-70-2	Calcium	106000		mg/kg dry	5.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-47-3	Chromium	30.2		mg/kg dry	0.522	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-48-4	Cobalt	3.47		mg/kg dry	0.418	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-50-8	Copper	18.6		mg/kg dry	2.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7439-89-6	Iron	9580		mg/kg dry	26.1	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7439-92-1	Lead	20.3		mg/kg dry	0.522	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7439-95-4	Magnesium	25100		mg/kg dry	5.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7439-96-5	Manganese	224		mg/kg dry	0.522	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-02-0	Nickel	15.1		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-09-7	Potassium	765	B	mg/kg dry	5.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7782-49-2	Selenium	9.73		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-22-4	Silver	ND		mg/kg dry	0.522	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-23-5	Sodium	212		mg/kg dry	52.2	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM
7440-62-2	Vanadium	31.2		mg/kg dry	1.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM



Sample Information

Client Sample ID: SODUP02_030821

York Sample ID: 21C0404-13

York Project (SDG) No.
21C0404

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 8, 2021 12:00 am

Date Received
03/08/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	67.1		mg/kg dry	2.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/11/2021 13:51	03/15/2021 14:38	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0313	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/15/2021 14:04	03/15/2021 17:14	BR

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.522	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/11/2021 08:00	03/11/2021 15:40	OT

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	30.2		mg/kg	0.500	1	Calculation Certifications:	03/15/2021 13:17	03/15/2021 17:47	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.522	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/10/2021 10:17	03/10/2021 15:27	OT

Total 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
solids	* % Solids	95.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/11/2021 10:00	03/12/2021 08:58	ALH



Analytical Batch Summary

Batch ID: BC10538

Preparation Method: EPA 5035A

Prepared By: KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-04	SB08_0.5-2_030821	03/09/21
21C0404-05	SB08_0-0.5_030821	03/09/21
21C0404-07	SB05_0-2_030821	03/09/21
21C0404-09	SB02_0-0.5_030821	03/09/21
21C0404-10	SB02_6-8_030821	03/09/21
21C0404-11	SB02_0.5-2_030821	03/09/21
21C0404-13	SODUP02_030821	03/09/21
BC10538-BLK1	Blank	03/09/21
BC10538-BLK2	Blank	03/09/21
BC10538-BLK3	Blank	03/09/21
BC10538-BLK4	Blank	03/09/21
BC10538-BS1	LCS	03/09/21
BC10538-BSD1	LCS Dup	03/09/21
BC10538-MS1	Matrix Spike	03/09/21
BC10538-MSD1	Matrix Spike Dup	03/09/21

Batch ID: BC10571

Preparation Method: EPA 3550C

Prepared By: S_K

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/10/21
21C0404-03	SB08_8-10_030821	03/10/21
21C0404-04	SB08_0.5-2_030821	03/10/21
21C0404-04	SB08_0.5-2_030821	03/10/21
21C0404-05	SB08_0-0.5_030821	03/10/21
21C0404-05	SB08_0-0.5_030821	03/10/21
21C0404-07	SB05_0-2_030821	03/10/21
21C0404-07	SB05_0-2_030821	03/10/21
21C0404-08	SB05_8-10_030821	03/10/21
21C0404-08	SB05_8-10_030821	03/10/21
21C0404-09	SB02_0-0.5_030821	03/10/21
21C0404-09	SB02_0-0.5_030821	03/10/21
21C0404-10	SB02_6-8_030821	03/10/21
21C0404-10	SB02_6-8_030821	03/10/21
21C0404-11	SB02_0.5-2_030821	03/10/21
21C0404-11	SB02_0.5-2_030821	03/10/21
21C0404-13	SODUP02_030821	03/10/21
21C0404-13	SODUP02_030821	03/10/21
BC10571-BLK1	Blank	03/10/21
BC10571-BLK2	Blank	03/10/21
BC10571-BS1	LCS	03/10/21
BC10571-BS2	LCS	03/10/21
BC10571-MS2	Matrix Spike	03/10/21
BC10571-MSD2	Matrix Spike Dup	03/10/21

**Batch ID:** BC10587**Preparation Method:** % Solids Prep**Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/10/21
21C0404-04	SB08_0.5-2_030821	03/10/21
21C0404-05	SB08_0-0.5_030821	03/10/21
BC10587-DUP1	Duplicate	03/10/21

Batch ID: BC10589**Preparation Method:** EPA SW846-3060**Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/10/21
21C0404-04	SB08_0.5-2_030821	03/10/21
BC10589-BLK1	Blank	03/10/21
BC10589-DUP1	Duplicate	03/10/21
BC10589-MS1	Matrix Spike	03/10/21
BC10589-MSD1	Matrix Spike Dup	03/10/21
BC10589-SRM1	Reference	03/10/21

Batch ID: BC10593**Preparation Method:** Analysis Preparation Soil**Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/10/21
21C0404-04	SB08_0.5-2_030821	03/10/21
21C0404-05	SB08_0-0.5_030821	03/10/21
21C0404-07	SB05_0-2_030821	03/10/21
21C0404-08	SB05_8-10_030821	03/10/21
21C0404-09	SB02_0-0.5_030821	03/10/21
21C0404-10	SB02_6-8_030821	03/10/21
21C0404-11	SB02_0.5-2_030821	03/10/21
21C0404-13	SODUP02_030821	03/10/21
BC10593-BLK1	Blank	03/10/21
BC10593-DUP1	Duplicate	03/10/21
BC10593-MS1	Matrix Spike	03/10/21
BC10593-SRM1	Reference	03/10/21

Batch ID: BC10602**Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m**Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/10/21
21C0404-04	SB08_0.5-2_030821	03/10/21
21C0404-05	SB08_0-0.5_030821	03/10/21
21C0404-07	SB05_0-2_030821	03/10/21
21C0404-08	SB05_8-10_030821	03/10/21
21C0404-09	SB02_0-0.5_030821	03/10/21
21C0404-10	SB02_6-8_030821	03/10/21
21C0404-11	SB02_0.5-2_030821	03/10/21
21C0404-13	SODUP02_030821	03/10/21
BC10602-BLK1	Blank	03/10/21
BC10602-BS1	LCS	03/10/21



BC10602-MS1	Matrix Spike	03/10/21
BC10602-MSD1	Matrix Spike Dup	03/10/21

Batch ID: BC10633 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/10/21
21C0404-04	SB08_0.5-2_030821	03/10/21
21C0404-05	SB08_0-0.5_030821	03/10/21
BC10633-BLK1	Blank	03/10/21
BC10633-DUP1	Duplicate	03/10/21
BC10633-MS1	Matrix Spike	03/10/21
BC10633-PS1	Post Spike	03/10/21
BC10633-SRM1	Reference	03/10/21

Batch ID: BC10647 **Preparation Method:** EPA 3550C **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/11/21
21C0404-03RE1	SB08_8-10_030821	03/11/21
21C0404-04	SB08_0.5-2_030821	03/11/21
21C0404-05	SB08_0-0.5_030821	03/11/21
21C0404-07	SB05_0-2_030821	03/11/21
21C0404-07RE1	SB05_0-2_030821	03/11/21
21C0404-08	SB05_8-10_030821	03/11/21
21C0404-09	SB02_0-0.5_030821	03/11/21
21C0404-10	SB02_6-8_030821	03/11/21
21C0404-11	SB02_0.5-2_030821	03/11/21
21C0404-13	SODUP02_030821	03/11/21
BC10647-BLK1	Blank	03/11/21
BC10647-BS1	LCS	03/11/21
BC10647-MS1	Matrix Spike	03/11/21
BC10647-MSD1	Matrix Spike Dup	03/11/21

Batch ID: BC10651 **Preparation Method:** EPA SW846-3060 **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-05	SB08_0-0.5_030821	03/11/21
21C0404-07	SB05_0-2_030821	03/11/21
21C0404-08	SB05_8-10_030821	03/11/21
21C0404-09	SB02_0-0.5_030821	03/11/21
21C0404-10	SB02_6-8_030821	03/11/21
21C0404-11	SB02_0.5-2_030821	03/11/21
21C0404-13	SODUP02_030821	03/11/21
BC10651-BLK1	Blank	03/11/21
BC10651-DUP1	Duplicate	03/11/21
BC10651-MS1	Matrix Spike	03/11/21
BC10651-MS2	Matrix Spike	03/11/21
BC10651-SRM1	Reference	03/11/21



Batch ID: BC10675 **Preparation Method:** % Solids Prep **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-07	SB05_0-2_030821	03/11/21
21C0404-08	SB05_8-10_030821	03/11/21
21C0404-09	SB02_0-0.5_030821	03/11/21
21C0404-10	SB02_6-8_030821	03/11/21
21C0404-11	SB02_0.5-2_030821	03/11/21
21C0404-13	SODUP02_030821	03/11/21
BC10675-DUP1	Duplicate	03/11/21

Batch ID: BC10676 **Preparation Method:** EPA 5035A **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/12/21
21C0404-08	SB05_8-10_030821	03/12/21
BC10676-BLK1	Blank	03/12/21
BC10676-BLK2	Blank	03/12/21
BC10676-BS1	LCS	03/12/21
BC10676-BSD1	LCS Dup	03/12/21

Batch ID: BC10693 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-09	SB02_0-0.5_030821	03/11/21
21C0404-10	SB02_6-8_030821	03/11/21
21C0404-11	SB02_0.5-2_030821	03/11/21
21C0404-13	SODUP02_030821	03/11/21
BC10693-BLK1	Blank	03/11/21
BC10693-DUP1	Duplicate	03/11/21
BC10693-MS1	Matrix Spike	03/11/21
BC10693-PS1	Post Spike	03/11/21
BC10693-SRM1	Reference	03/11/21

Batch ID: BC10726 **Preparation Method:** EPA 3550C/8151A **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-05	SB08_0-0.5_030821	03/12/21
21C0404-07	SB05_0-2_030821	03/12/21
21C0404-08	SB05_8-10_030821	03/12/21
21C0404-09	SB02_0-0.5_030821	03/12/21
21C0404-10	SB02_6-8_030821	03/12/21
BC10726-BLK1	Blank	03/12/21
BC10726-BS1	LCS	03/12/21
BC10726-MS1	Matrix Spike	03/12/21
BC10726-MSD1	Matrix Spike Dup	03/12/21

**Batch ID:** BC10727**Preparation Method:** EPA 3550C**Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/12/21
21C0404-04	SB08_0.5-2_030821	03/12/21
21C0404-05	SB08_0-0.5_030821	03/12/21
21C0404-07	SB05_0-2_030821	03/12/21
21C0404-08	SB05_8-10_030821	03/12/21
21C0404-09	SB02_0-0.5_030821	03/12/21
21C0404-10	SB02_6-8_030821	03/12/21
21C0404-11	SB02_0.5-2_030821	03/12/21
21C0404-13	SODUP02_030821	03/12/21
BC10727-BLK1	Blank	03/12/21
BC10727-BS1	LCS	03/12/21
BC10727-MS1	Matrix Spike	03/12/21
BC10727-MSD1	Matrix Spike Dup	03/12/21

Batch ID: BC10765**Preparation Method:** SPE Ext-PFAS-EPA 537.1M**Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-01	EC_SOFB05_030821	03/12/21
BC10765-BLK1	Blank	03/12/21
BC10765-BS1	LCS	03/12/21
BC10765-DUP1	Duplicate	03/12/21
BC10765-MS1	Matrix Spike	03/12/21

Batch ID: BC10788**Preparation Method:** EPA 3050B**Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-07	SB05_0-2_030821	03/12/21
21C0404-08	SB05_8-10_030821	03/12/21
BC10788-BLK1	Blank	03/12/21
BC10788-DUP1	Duplicate	03/12/21
BC10788-MS1	Matrix Spike	03/12/21
BC10788-PS1	Post Spike	03/12/21
BC10788-SRM1	Reference	03/12/21

Batch ID: BC10819**Preparation Method:** EPA 3550C/8151A**Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/15/21
21C0404-04	SB08_0.5-2_030821	03/15/21
21C0404-11	SB02_0.5-2_030821	03/15/21
21C0404-13	SODUP02_030821	03/15/21
BC10819-BLK1	Blank	03/15/21
BC10819-BS1	LCS	03/15/21
BC10819-MS1	Matrix Spike	03/15/21
BC10819-MSD1	Matrix Spike Dup	03/15/21



Batch ID: BC10852

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/15/21
21C0404-04	SB08_0.5-2_030821	03/15/21
21C0404-05	SB08_0-0.5_030821	03/15/21
21C0404-07	SB05_0-2_030821	03/15/21
21C0404-08	SB05_8-10_030821	03/15/21
21C0404-09	SB02_0-0.5_030821	03/15/21
21C0404-10	SB02_6-8_030821	03/15/21
21C0404-11	SB02_0.5-2_030821	03/15/21
21C0404-13	SODUP02_030821	03/15/21

Batch ID: BC10864

Preparation Method: EPA 7473 soil

Prepared By: BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0404-03	SB08_8-10_030821	03/15/21
21C0404-04	SB08_0.5-2_030821	03/15/21
21C0404-05	SB08_0-0.5_030821	03/15/21
21C0404-07	SB05_0-2_030821	03/15/21
21C0404-08	SB05_8-10_030821	03/15/21
21C0404-09	SB02_0-0.5_030821	03/15/21
21C0404-10	SB02_6-8_030821	03/15/21
21C0404-11	SB02_0.5-2_030821	03/15/21
21C0404-13	SODUP02_030821	03/15/21
BC10864-BLK1	Blank	03/15/21
BC10864-DUP1	Duplicate	03/15/21
BC10864-MS1	Matrix Spike	03/15/21
BC10864-SRM1	Reference	03/15/21



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 BC10538 - EPA 5035A											
Blank (BC10538-BLK1)	Blank										Prepared: 03/09/2021 Analyzed: 03/10/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0047	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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 BC10538 - EPA 5035A

Blank (BC10538-BLK1)		Blank		Prepared: 03/09/2021 Analyzed: 03/10/2021							
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.1		ug/L	50.0		96.2	77-125				
Surrogate: SURR: Toluene-d8	50.3		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	51.1		"	50.0		102	76-130				

Blank (BC10538-BLK2)		Blank		Prepared: 03/09/2021 Analyzed: 03/10/2021							
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0058	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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 BC10538 - EPA 5035A

Blank (BC10538-BLK2)	Blank	Prepared: 03/09/2021 Analyzed: 03/10/2021									
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	48.5		ug/L	50.0		97.0	77-125				
Surrogate: SURRE: Toluene-d8	48.8		"	50.0		97.7	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	48.2		"	50.0		96.5	76-130				



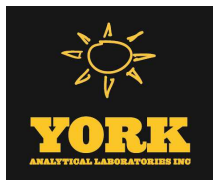
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10538 - EPA 5035A

Blank (BC10538-BLK3)		HOLDING BLANK- 21C0404				Prepared: 03/09/2021 Analyzed: 03/10/2021					
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0048	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10538 - EPA 5035A

Blank (BC10538-BLK3)		HOLDING BLANK- 21C0404				Prepared: 03/09/2021 Analyzed: 03/10/2021					
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.0		ug/L	50.0		95.9	77-125				
Surrogate: SURR: Toluene-d8	49.9		"	50.0		99.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.3		"	50.0		101	76-130				

Blank (BC10538-BLK4)		HOLDING BLANK- 21C0422				Prepared: 03/09/2021 Analyzed: 03/10/2021					
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0054	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BC10538 - EPA 5035A

Blank (BC10538-BLK4)		HOLDING BLANK- 21C0422				Prepared: 03/09/2021 Analyzed: 03/10/2021					
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	48.4		ug/L	50.0		96.8	77-125				
Surrogate: SURR: Toluene-d8	50.0		"	50.0		99.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.3		"	50.0		101	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10538 - EPA 5035A											
LCS (BC10538-BS1)	LCS		Prepared & Analyzed: 03/09/2021								
1,1,1,2-Tetrachloroethane	50.4		ug/L	50.0		101	75-129				
1,1,1-Trichloroethane	49.4		"	50.0		98.7	71-137				
1,1,2,2-Tetrachloroethane	52.5		"	50.0		105	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.4		"	50.0		90.7	58-146				
1,1,2-Trichloroethane	52.6		"	50.0		105	83-123				
1,1-Dichloroethane	46.2		"	50.0		92.5	75-130				
1,1-Dichloroethylene	42.1		"	50.0		84.2	64-137				
1,2,3-Trichlorobenzene	61.8		"	50.0		124	81-140				
1,2,3-Trichloropropane	53.4		"	50.0		107	81-126				
1,2,4-Trichlorobenzene	60.0		"	50.0		120	80-141				
1,2,4-Trimethylbenzene	50.9		"	50.0		102	84-125				
1,2-Dibromo-3-chloropropane	47.6		"	50.0		95.3	74-142				
1,2-Dibromoethane	54.3		"	50.0		109	86-123				
1,2-Dichlorobenzene	54.9		"	50.0		110	85-122				
1,2-Dichloroethane	47.5		"	50.0		95.0	71-133				
1,2-Dichloropropane	49.3		"	50.0		98.6	81-122				
1,3,5-Trimethylbenzene	52.5		"	50.0		105	82-126				
1,3-Dichlorobenzene	52.9		"	50.0		106	84-124				
1,4-Dichlorobenzene	54.7		"	50.0		109	84-124				
1,4-Dioxane	1180		"	1050		113	10-228				
2-Butanone	49.1		"	50.0		98.2	58-147				
2-Hexanone	46.2		"	50.0		92.3	70-139				
4-Methyl-2-pentanone	45.9		"	50.0		91.8	72-132				
Acetone	34.6		"	50.0		69.2	36-155				
Acrolein	44.5		"	50.0		88.9	10-238				
Acrylonitrile	49.3		"	50.0		98.7	66-141				
Benzene	49.3		"	50.0		98.6	77-127				
Bromochloromethane	44.0		"	50.0		88.1	74-129				
Bromodichloromethane	47.6		"	50.0		95.2	81-124				
Bromoform	56.2		"	50.0		112	80-136				
Bromomethane	53.8		"	50.0		108	32-177				
Carbon disulfide	53.2		"	50.0		106	10-136				
Carbon tetrachloride	52.0		"	50.0		104	66-143				
Chlorobenzene	51.9		"	50.0		104	86-120				
Chloroethane	41.5		"	50.0		83.0	51-142				
Chloroform	50.3		"	50.0		101	76-131				
Chloromethane	38.8		"	50.0		77.6	49-132				
cis-1,2-Dichloroethylene	48.2		"	50.0		96.3	74-132				
cis-1,3-Dichloropropylene	44.8		"	50.0		89.5	81-129				
Cyclohexane	43.3		"	50.0		86.6	70-130				
Dibromochloromethane	52.3		"	50.0		105	10-200				
Dibromomethane	50.5		"	50.0		101	83-124				
Dichlorodifluoromethane	41.1		"	50.0		82.1	28-158				
Ethyl Benzene	50.2		"	50.0		100	84-125				
Hexachlorobutadiene	69.3		"	50.0		139	83-133	High Bias			
Isopropylbenzene	52.1		"	50.0		104	81-127				
Methyl acetate	39.4		"	50.0		78.8	41-143				
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	74-131				
Methylcyclohexane	46.6		"	50.0		93.3	70-130				
Methylene chloride	45.6		"	50.0		91.2	57-141				
n-Butylbenzene	51.4		"	50.0		103	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10538 - EPA 5035A											
LCS (BC10538-BS1)	LCS		Prepared & Analyzed: 03/09/2021								
n-Propylbenzene	50.9		ug/L	50.0		102	74-136				
o-Xylene	50.4		"	50.0		101	83-123				
p- & m- Xylenes	105		"	100		105	82-128				
p-Isopropyltoluene	54.5		"	50.0		109	85-125				
sec-Butylbenzene	55.6		"	50.0		111	83-125				
Styrene	52.3		"	50.0		105	86-126				
tert-Butyl alcohol (TBA)	230		"	250		91.9	70-130				
tert-Butylbenzene	53.4		"	50.0		107	80-127				
Tetrachloroethylene	54.6		"	50.0		109	80-129				
Toluene	50.5		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	49.8		"	50.0		99.6	72-132				
trans-1,3-Dichloropropylene	44.5		"	50.0		89.1	78-132				
Trichloroethylene	52.6		"	50.0		105	84-123				
Trichlorofluoromethane	42.7		"	50.0		85.4	62-140				
Vinyl Chloride	39.4		"	50.0		78.9	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>											
	47.9		"	50.0		95.9	77-125				
<i>Surrogate: SURR: Toluene-d8</i>											
	50.0		"	50.0		100	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>											
	48.3		"	50.0		96.5	76-130				
LCS Dup (BC10538-BS1)	LCS Dup		Prepared & Analyzed: 03/09/2021								
1,1,1,2-Tetrachloroethane	50.7		ug/L	50.0		101	75-129		0.613	30	
1,1,1-Trichloroethane	50.5		"	50.0		101	71-137		2.24	30	
1,1,2,2-Tetrachloroethane	52.4		"	50.0		105	79-129		0.0763	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.3		"	50.0		94.5	58-146		4.12	30	
1,1,2-Trichloroethane	52.6		"	50.0		105	83-123		0.0190	30	
1,1-Dichloroethane	48.0		"	50.0		96.1	75-130		3.78	30	
1,1-Dichloroethylene	42.9		"	50.0		85.8	64-137		1.91	30	
1,2,3-Trichlorobenzene	61.3		"	50.0		123	81-140		0.812	30	
1,2,3-Trichloropropane	52.9		"	50.0		106	81-126		0.771	30	
1,2,4-Trichlorobenzene	59.0		"	50.0		118	80-141		1.68	30	
1,2,4-Trimethylbenzene	51.0		"	50.0		102	84-125		0.196	30	
1,2-Dibromo-3-chloropropane	47.2		"	50.0		94.4	74-142		0.970	30	
1,2-Dibromoethane	55.5		"	50.0		111	86-123		2.18	30	
1,2-Dichlorobenzene	54.5		"	50.0		109	85-122		0.731	30	
1,2-Dichloroethane	50.3		"	50.0		101	71-133		5.81	30	
1,2-Dichloropropane	49.8		"	50.0		99.6	81-122		0.989	30	
1,3,5-Trimethylbenzene	52.2		"	50.0		104	82-126		0.592	30	
1,3-Dichlorobenzene	53.0		"	50.0		106	84-124		0.264	30	
1,4-Dichlorobenzene	53.8		"	50.0		108	84-124		1.66	30	
1,4-Dioxane	1170		"	1050		112	10-228		0.701	30	
2-Butanone	45.8		"	50.0		91.7	58-147		6.93	30	
2-Hexanone	45.8		"	50.0		91.7	70-139		0.717	30	
4-Methyl-2-pentanone	45.5		"	50.0		91.0	72-132		0.853	30	
Acetone	34.2		"	50.0		68.5	36-155		1.05	30	
Acrolein	46.4		"	50.0		92.7	10-238		4.16	30	
Acrylonitrile	50.8		"	50.0		102	66-141		2.94	30	
Benzene	51.0		"	50.0		102	77-127		3.31	30	
Bromochloromethane	45.0		"	50.0		90.1	74-129		2.22	30	
Bromodichloromethane	48.2		"	50.0		96.4	81-124		1.29	30	
Bromoform	56.9		"	50.0		114	80-136		1.33	30	
Bromomethane	55.2		"	50.0		110	32-177		2.44	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10538 - EPA 5035A											
LCS Dup (BC10538-BSD1)	LCS Dup		Prepared & Analyzed: 03/09/2021								
Carbon disulfide	54.4		ug/L	50.0		109	10-136		2.17	30	
Carbon tetrachloride	53.5		"	50.0		107	66-143		2.85	30	
Chlorobenzene	52.8		"	50.0		106	86-120		1.66	30	
Chloroethane	42.6		"	50.0		85.3	51-142		2.69	30	
Chloroform	52.3		"	50.0		105	76-131		3.86	30	
Chloromethane	40.1		"	50.0		80.2	49-132		3.37	30	
cis-1,2-Dichloroethylene	50.0		"	50.0		99.9	74-132		3.63	30	
cis-1,3-Dichloropropylene	45.3		"	50.0		90.7	81-129		1.24	30	
Cyclohexane	44.5		"	50.0		89.0	70-130		2.80	30	
Dibromochloromethane	52.9		"	50.0		106	10-200		1.16	30	
Dibromomethane	51.5		"	50.0		103	83-124		2.02	30	
Dichlorodifluoromethane	41.8		"	50.0		83.5	28-158		1.64	30	
Ethyl Benzene	51.0		"	50.0		102	84-125		1.54	30	
Hexachlorobutadiene	67.8		"	50.0		136	83-133	High Bias	2.22	30	
Isopropylbenzene	52.0		"	50.0		104	81-127		0.173	30	
Methyl acetate	40.2		"	50.0		80.4	41-143		2.01	30	
Methyl tert-butyl ether (MTBE)	52.2		"	50.0		104	74-131		3.98	30	
Methylcyclohexane	47.0		"	50.0		94.0	70-130		0.748	30	
Methylene chloride	47.2		"	50.0		94.4	57-141		3.45	30	
n-Butylbenzene	49.5		"	50.0		99.0	80-130		3.86	30	
n-Propylbenzene	50.5		"	50.0		101	74-136		0.907	30	
o-Xylene	51.2		"	50.0		102	83-123		1.55	30	
p- & m- Xylenes	106		"	100		106	82-128		1.36	30	
p-Isopropyltoluene	54.1		"	50.0		108	85-125		0.774	30	
sec-Butylbenzene	55.5		"	50.0		111	83-125		0.0900	30	
Styrene	52.9		"	50.0		106	86-126		1.18	30	
tert-Butyl alcohol (TBA)	239		"	250		95.6	70-130		3.91	30	
tert-Butylbenzene	53.8		"	50.0		108	80-127		0.653	30	
Tetrachloroethylene	55.1		"	50.0		110	80-129		0.948	30	
Toluene	50.9		"	50.0		102	85-121		0.907	30	
trans-1,2-Dichloroethylene	49.9		"	50.0		99.8	72-132		0.160	30	
trans-1,3-Dichloropropylene	45.2		"	50.0		90.5	78-132		1.56	30	
Trichloroethylene	53.4		"	50.0		107	84-123		1.32	30	
Trichlorofluoromethane	43.8		"	50.0		87.6	62-140		2.61	30	
Vinyl Chloride	40.9		"	50.0		81.8	52-130		3.61	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	48.7		"	50.0		97.3	77-125				
Surrogate: SURR: Toluene-d8	50.0		"	50.0		100	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.1		"	50.0		96.2	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10538 - EPA 5035A											
Matrix Spike (BC10538-MS1) Matrix Spike *Source sample: 21C0404-05 (SB08 0-0.5_030821) Prepared: 03/09/2021 Analyzed: 03/10/2021											
1,1,1,2-Tetrachloroethane	16.9		ug/L	50.0	0.00	33.9	15-161				
1,1,1-Trichloroethane	31.4		"	50.0	0.00	62.8	42-145				
1,1,2,2-Tetrachloroethane	0.00		"	50.0	0.00		16-167	Low Bias			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	24.4		"	50.0	0.00	48.7	11-160				
1,1,2-Trichloroethane	0.00		"	50.0	0.00		44-145	Low Bias			
1,1-Dichloroethane	29.9		"	50.0	0.00	59.9	46-142				
1,1-Dichloroethylene	40.9		"	50.0	0.00	81.7	30-153				
1,2,3-Trichlorobenzene	10.5		"	50.0	0.00	21.1	10-157				
1,2,3-Trichloropropane	22.3		"	50.0	0.00	44.6	38-155				
1,2,4-Trichlorobenzene	9.99		"	50.0	0.00	20.0	10-151				
1,2,4-Trimethylbenzene	19.4		"	50.0	0.00	38.7	10-170				
1,2-Dibromo-3-chloropropane	0.00		"	50.0	0.00		36-138	Low Bias			
1,2-Dibromoethane	27.7		"	50.0	0.00	55.4	40-142				
1,2-Dichlorobenzene	17.8		"	50.0	0.00	35.5	10-147				
1,2-Dichloroethane	27.7		"	50.0	0.00	55.4	48-133				
1,2-Dichloropropane	30.2		"	50.0	0.00	60.3	47-141				
1,3,5-Trimethylbenzene	21.1		"	50.0	0.00	42.1	10-150				
1,3-Dichlorobenzene	16.4		"	50.0	0.00	32.8	10-144				
1,4-Dichlorobenzene	16.0		"	50.0	0.00	32.1	10-160				
1,4-Dioxane	875		"	1050	0.00	83.4	10-191				
2-Butanone	31.1		"	50.0	3.92	54.3	10-189				
2-Hexanone	25.6		"	50.0	0.00	51.1	10-181				
4-Methyl-2-pentanone	27.2		"	50.0	0.00	54.5	10-166				
Acetone	34.9		"	50.0	14.7	40.3	10-196				
Acrolein	0.00		"	50.0	0.00		10-192	Low Bias			
Acrylonitrile	22.3		"	50.0	0.00	44.6	13-161				
Benzene	31.1		"	50.0	0.00	62.2	43-139				
Bromochloromethane	25.8		"	50.0	0.00	51.5	38-145				
Bromodichloromethane	11.3		"	50.0	0.00	22.7	38-147	Low Bias			
Bromoform	20.1		"	50.0	0.00	40.3	29-156				
Bromomethane	24.7		"	50.0	0.00	49.3	10-166				
Carbon disulfide	20.3		"	50.0	0.00	40.6	10-131				
Carbon tetrachloride	29.9		"	50.0	0.00	59.8	35-145				
Chlorobenzene	24.4		"	50.0	0.00	48.8	21-154				
Chloroethane	24.0		"	50.0	0.00	48.0	15-160				
Chloroform	31.0		"	50.0	0.00	62.1	47-142				
Chloromethane	23.8		"	50.0	0.00	47.6	10-159				
cis-1,2-Dichloroethylene	28.1		"	50.0	0.00	56.3	42-144				
cis-1,3-Dichloropropylene	18.4		"	50.0	0.00	36.8	18-159				
Cyclohexane	25.4		"	50.0	0.00	50.9	70-130	Low Bias			
Dibromochloromethane	14.8		"	50.0	0.00	29.5	10-179				
Dibromomethane	28.0		"	50.0	0.00	55.9	47-143				
Dichlorodifluoromethane	32.3		"	50.0	0.00	64.5	10-145				
Ethyl Benzene	24.2		"	50.0	0.00	48.4	11-158				
Hexachlorobutadiene	10.0		"	50.0	0.00	20.1	10-158				
Isopropylbenzene	24.5		"	50.0	0.00	49.0	10-162				
Methyl acetate	0.00		"	50.0	0.00		10-149	Low Bias			
Methyl tert-butyl ether (MTBE)	34.9		"	50.0	0.00	69.8	42-152				
Methylcyclohexane	22.7		"	50.0	0.00	45.5	70-130	Low Bias			
Methylene chloride	33.2		"	50.0	5.80	54.7	28-151				
n-Butylbenzene	13.3		"	50.0	0.00	26.6	10-162				



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 BC10538 - EPA 5035A											
Matrix Spike (BC10538-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)					Prepared: 03/09/2021 Analyzed: 03/10/2021				
n-Propylbenzene	20.2		ug/L	50.0	0.00	40.3	10-155				
o-Xylene	24.2		"	50.0	0.00	48.3	10-158				
p- & m- Xylenes	48.0		"	100	0.00	48.0	10-156				
p-Isopropyltoluene	17.8		"	50.0	0.00	35.7	10-147				
sec-Butylbenzene	20.2		"	50.0	0.00	40.4	10-157				
Styrene	22.0		"	50.0	0.00	44.0	13-171				
tert-Butyl alcohol (TBA)	135		"	250	0.00	54.0	34-179				
tert-Butylbenzene	22.4		"	50.0	0.00	44.7	10-160				
Tetrachloroethylene	28.1		"	50.0	0.00	56.2	30-167				
Toluene	27.8		"	50.0	0.00	55.5	21-160				
trans-1,2-Dichloroethylene	29.4		"	50.0	0.00	58.8	29-153				
trans-1,3-Dichloropropylene	17.1		"	50.0	0.00	34.2	18-155				
Trichloroethylene	59.4		"	50.0	0.00	119	24-169				
Trichlorofluoromethane	23.7		"	50.0	0.00	47.4	35-142				
Vinyl Chloride	24.5		"	50.0	0.00	49.1	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	48.7		"	50.0		97.4	77-125				
Surrogate: SURR: Toluene-d8	48.8		"	50.0		97.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.6		"	50.0		99.2	76-130				
Matrix Spike Dup (BC10538-1)	Matrix Spike Dup	*Source sample: 21C0404-05 (SB08_0-0.5_030821)					Prepared: 03/09/2021 Analyzed: 03/10/2021				
1,1,1,2-Tetrachloroethane	13.2		ug/L	50.0	0.00	26.3	15-161		25.0	33	
1,1,1-Trichloroethane	31.0		"	50.0	0.00	62.0	42-145		1.25	30	
1,1,2,2-Tetrachloroethane	0.00		"	50.0	0.00		16-167	Low Bias		56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	25.3		"	50.0	0.00	50.5	11-160		3.59	31	
1,1,2-Trichloroethane	0.00		"	50.0	0.00		44-145	Low Bias		40	
1,1-Dichloroethane	28.6		"	50.0	0.00	57.1	46-142		4.75	36	
1,1-Dichloroethylene	42.4		"	50.0	0.00	84.7	30-153		3.58	31	
1,2,3-Trichlorobenzene	4.25		"	50.0	0.00	8.50	10-157	Low Bias	85.1	47	Non-dir.
1,2,3-Trichloropropane	18.7		"	50.0	0.00	37.4	38-155	Low Bias	17.4	48	
1,2,4-Trichlorobenzene	4.19		"	50.0	0.00	8.38	10-151	Low Bias	81.8	52	Non-dir.
1,2,4-Trimethylbenzene	10.5		"	50.0	0.00	21.0	10-170		59.4	242	
1,2-Dibromo-3-chloropropane	0.00		"	50.0	0.00		36-138	Low Bias		54	
1,2-Dibromoethane	20.5		"	50.0	0.00	40.9	40-142		30.1	39	
1,2-Dichlorobenzene	8.91		"	50.0	0.00	17.8	10-147		66.3	52	Non-dir.
1,2-Dichloroethane	23.6		"	50.0	0.00	47.2	48-133	Low Bias	16.1	32	
1,2-Dichloropropane	26.1		"	50.0	0.00	52.2	47-141		14.4	37	
1,3,5-Trimethylbenzene	11.4		"	50.0	0.00	22.8	10-150		59.5	62	
1,3-Dichlorobenzene	8.09		"	50.0	0.00	16.2	10-144		67.9	51	Non-dir.
1,4-Dichlorobenzene	7.89		"	50.0	0.00	15.8	10-160		68.2	52	Non-dir.
1,4-Dioxane	945		"	1050	0.00	90.0	10-191		7.60	196	
2-Butanone	33.9		"	50.0	3.92	60.0	10-189		8.74	67	
2-Hexanone	23.8		"	50.0	0.00	47.7	10-181		7.04	60	
4-Methyl-2-pentanone	25.8		"	50.0	0.00	51.5	10-166		5.59	47	
Acetone	51.3		"	50.0	14.7	73.1	10-196		38.1	150	
Acrolein	0.00		"	50.0	0.00		10-192	Low Bias		128	
Acrylonitrile	19.6		"	50.0	0.00	39.2	13-161		12.8	48	
Benzene	28.0		"	50.0	0.00	56.1	43-139		10.3	64	
Bromochloromethane	22.2		"	50.0	0.00	44.3	38-145		15.0	30	
Bromodichloromethane	10.2		"	50.0	0.00	20.4	38-147	Low Bias	10.6	37	
Bromoform	15.6		"	50.0	0.00	31.3	29-156		25.2	51	
Bromomethane	27.0		"	50.0	0.00	54.0	10-166		9.02	42	



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 BC10538 - EPA 5035A											
Matrix Spike Dup (BC10538-1)						Source sample: 21C0404-05 (SB08_0-0.5_030821)					
						Prepared: 03/09/2021 Analyzed: 03/10/2021					
Carbon disulfide	11.6		ug/L	50.0	0.00	23.2	10-131		54.6	36	Non-dir.
Carbon tetrachloride	30.5		"	50.0	0.00	61.0	35-145		1.92	31	
Chlorobenzene	16.3		"	50.0	0.00	32.6	21-154		40.0	32	Non-dir.
Chloroethane	27.6		"	50.0	0.00	55.2	15-160		14.0	40	
Chloroform	28.0		"	50.0	0.00	55.9	47-142		10.4	29	
Chloromethane	25.0		"	50.0	0.00	50.1	10-159		5.04	31	
cis-1,2-Dichloroethylene	24.9		"	50.0	0.00	49.8	42-144		12.3	30	
cis-1,3-Dichloropropylene	13.1		"	50.0	0.00	26.2	18-159		33.6	39	
Cyclohexane	23.1		"	50.0	0.00	46.3	70-130	Low Bias	9.47	30	
Dibromochloromethane	12.1		"	50.0	0.00	24.2	10-179		19.9	41	
Dibromomethane	23.2		"	50.0	0.00	46.3	47-143	Low Bias	18.8	41	
Dichlorodifluoromethane	34.7		"	50.0	0.00	69.4	10-145		7.29	34	
Ethyl Benzene	16.7		"	50.0	0.00	33.4	11-158		36.5	42	
Hexachlorobutadiene	3.89		"	50.0	0.00	7.78	10-158	Low Bias	88.2	45	Non-dir.
Isopropylbenzene	15.2		"	50.0	0.00	30.4	10-162		46.8	57	
Methyl acetate	0.00		"	50.0	0.00		10-149	Low Bias		64	
Methyl tert-butyl ether (MTBE)	30.5		"	50.0	0.00	61.1	42-152		13.4	47	
Methylcyclohexane	18.7		"	50.0	0.00	37.4	70-130	Low Bias	19.5	30	
Methylene chloride	31.7		"	50.0	5.80	51.8	28-151		4.50	49	
n-Butylbenzene	6.11		"	50.0	0.00	12.2	10-162		74.1	96	
n-Propylbenzene	11.6		"	50.0	0.00	23.1	10-155		54.3	56	
o-Xylene	15.9		"	50.0	0.00	31.7	10-158		41.4	51	
p- & m- Xylenes	32.3		"	100	0.00	32.3	10-156		39.1	47	
p-Isopropyltoluene	8.80		"	50.0	0.00	17.6	10-147		67.9	60	Non-dir.
sec-Butylbenzene	10.3		"	50.0	0.00	20.6	10-157		64.7	56	Non-dir.
Styrene	13.2		"	50.0	0.00	26.4	13-171		49.8	39	Non-dir.
tert-Butyl alcohol (TBA)	172		"	250	0.00	68.8	34-179		24.1	35	
tert-Butylbenzene	11.7		"	50.0	0.00	23.5	10-160		62.3	79	
Tetrachloroethylene	21.4		"	50.0	0.00	42.7	30-167		27.3	33	
Toluene	22.3		"	50.0	0.00	44.6	21-160		21.9	50	
trans-1,2-Dichloroethylene	25.5		"	50.0	0.00	51.1	29-153		14.0	30	
trans-1,3-Dichloropropylene	11.5		"	50.0	0.00	23.0	18-155		39.3	30	Non-dir.
Trichloroethylene	48.7		"	50.0	0.00	97.3	24-169		20.0	30	
Trichlorofluoromethane	25.9		"	50.0	0.00	51.8	35-142		8.75	30	
Vinyl Chloride	26.1		"	50.0	0.00	52.2	12-160		6.08	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.3		"	50.0		98.6	77-125				
Surrogate: SURR: Toluene-d8	49.1		"	50.0		98.1	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.3		"	50.0		101	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10676 - EPA 5035A

Blank (BC10676-BLK1)		Blank		Prepared: 03/12/2021 Analyzed: 03/15/2021							
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0034	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	0.0029	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10676 - EPA 5035A

Blank (BC10676-BLK1)		Blank		Prepared: 03/12/2021 Analyzed: 03/15/2021							
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.3		ug/L	50.0		103	77-125				
Surrogate: SURR: Toluene-d8	50.6		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	56.2		"	50.0		112	76-130				

Blank (BC10676-BLK2)		Blank		Prepared: 03/12/2021 Analyzed: 03/15/2021							
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0070	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								



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 BC10676 - EPA 5035A

Blank (BC10676-BLK2)	Blank	Prepared: 03/12/2021 Analyzed: 03/15/2021									
Bromomethane	0.0036	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	0.0027	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	52.4		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	50.3		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	55.5		"	50.0		111	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10676 - EPA 5035A											
LCS (BC10676-BS1)	LCS		Prepared: 03/12/2021 Analyzed: 03/15/2021								
1,1,1,2-Tetrachloroethane	50.2		ug/L	50.0		100	75-129				
1,1,1-Trichloroethane	54.9		"	50.0		110	71-137				
1,1,2,2-Tetrachloroethane	54.8		"	50.0		110	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	64.1		"	50.0		128	58-146				
1,1,2-Trichloroethane	54.1		"	50.0		108	83-123				
1,1-Dichloroethane	52.8		"	50.0		106	75-130				
1,1-Dichloroethylene	55.1		"	50.0		110	64-137				
1,2,3-Trichlorobenzene	54.9		"	50.0		110	81-140				
1,2,3-Trichloropropane	54.4		"	50.0		109	81-126				
1,2,4-Trichlorobenzene	55.4		"	50.0		111	80-141				
1,2,4-Trimethylbenzene	55.4		"	50.0		111	84-125				
1,2-Dibromo-3-chloropropane	56.4		"	50.0		113	74-142				
1,2-Dibromoethane	55.2		"	50.0		110	86-123				
1,2-Dichlorobenzene	54.7		"	50.0		109	85-122				
1,2-Dichloroethane	53.8		"	50.0		108	71-133				
1,2-Dichloropropane	55.2		"	50.0		110	81-122				
1,3,5-Trimethylbenzene	55.3		"	50.0		111	82-126				
1,3-Dichlorobenzene	53.5		"	50.0		107	84-124				
1,4-Dichlorobenzene	53.7		"	50.0		107	84-124				
1,4-Dioxane	1210		"	1050		115	10-228				
2-Butanone	53.4		"	50.0		107	58-147				
2-Hexanone	56.6		"	50.0		113	70-139				
4-Methyl-2-pentanone	47.8		"	50.0		95.5	72-132				
Acetone	43.7		"	50.0		87.5	36-155				
Acrolein	96.8		"	50.0		194	10-238				
Acrylonitrile	58.7		"	50.0		117	66-141				
Benzene	55.6		"	50.0		111	77-127				
Bromochloromethane	55.9		"	50.0		112	74-129				
Bromodichloromethane	54.7		"	50.0		109	81-124				
Bromoform	51.9		"	50.0		104	80-136				
Bromomethane	58.4		"	50.0		117	32-177				
Carbon disulfide	58.3		"	50.0		117	10-136				
Carbon tetrachloride	55.9		"	50.0		112	66-143				
Chlorobenzene	54.2		"	50.0		108	86-120				
Chloroethane	70.6		"	50.0		141	51-142				
Chloroform	54.4		"	50.0		109	76-131				
Chloromethane	56.7		"	50.0		113	49-132				
cis-1,2-Dichloroethylene	54.9		"	50.0		110	74-132				
cis-1,3-Dichloropropylene	54.1		"	50.0		108	81-129				
Cyclohexane	58.2		"	50.0		116	70-130				
Dibromochloromethane	58.4		"	50.0		117	10-200				
Dibromomethane	54.9		"	50.0		110	83-124				
Dichlorodifluoromethane	73.8		"	50.0		148	28-158				
Ethyl Benzene	55.1		"	50.0		110	84-125				
Hexachlorobutadiene	55.5		"	50.0		111	83-133				
Isopropylbenzene	53.0		"	50.0		106	81-127				
Methyl acetate	54.6		"	50.0		109	41-143				
Methyl tert-butyl ether (MTBE)	56.0		"	50.0		112	74-131				
Methylcyclohexane	58.2		"	50.0		116	70-130				
Methylene chloride	54.0		"	50.0		108	57-141				
n-Butylbenzene	53.3		"	50.0		107	80-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10676 - EPA 5035A											
LCS (BC10676-BS1)	LCS		Prepared: 03/12/2021 Analyzed: 03/15/2021								
n-Propylbenzene	53.1		ug/L	50.0		106	74-136				
o-Xylene	55.2		"	50.0		110	83-123				
p- & m- Xylenes	112		"	100		112	82-128				
p-Isopropyltoluene	55.6		"	50.0		111	85-125				
sec-Butylbenzene	57.0		"	50.0		114	83-125				
Styrene	57.0		"	50.0		114	86-126				
tert-Butyl alcohol (TBA)	254		"	250		102	70-130				
tert-Butylbenzene	46.8		"	50.0		93.6	80-127				
Tetrachloroethylene	53.2		"	50.0		106	80-129				
Toluene	55.0		"	50.0		110	85-121				
trans-1,2-Dichloroethylene	56.8		"	50.0		114	72-132				
trans-1,3-Dichloropropylene	54.5		"	50.0		109	78-132				
Trichloroethylene	55.5		"	50.0		111	84-123				
Trichlorofluoromethane	57.4		"	50.0		115	62-140				
Vinyl Chloride	62.1		"	50.0		124	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	49.6		"	50.0		99.3	77-125				
Surrogate: SURR: Toluene-d8	49.7		"	50.0		99.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.5		"	50.0		97.0	76-130				
LCS Dup (BC10676-BS1)	LCS Dup		Prepared: 03/12/2021 Analyzed: 03/15/2021								
1,1,1,2-Tetrachloroethane	45.8		ug/L	50.0		91.7	75-129		9.02	30	
1,1,1-Trichloroethane	50.6		"	50.0		101	71-137		8.06	30	
1,1,2,2-Tetrachloroethane	50.1		"	50.0		100	79-129		9.03	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59.6		"	50.0		119	58-146		7.30	30	
1,1,2-Trichloroethane	50.0		"	50.0		99.9	83-123		7.88	30	
1,1-Dichloroethane	49.7		"	50.0		99.4	75-130		6.07	30	
1,1-Dichloroethylene	51.0		"	50.0		102	64-137		7.61	30	
1,2,3-Trichlorobenzene	49.1		"	50.0		98.2	81-140		11.2	30	
1,2,3-Trichloropropane	50.0		"	50.0		100	81-126		8.37	30	
1,2,4-Trichlorobenzene	50.1		"	50.0		100	80-141		9.97	30	
1,2,4-Trimethylbenzene	51.5		"	50.0		103	84-125		7.20	30	
1,2-Dibromo-3-chloropropane	50.9		"	50.0		102	74-142		10.3	30	
1,2-Dibromoethane	50.1		"	50.0		100	86-123		9.53	30	
1,2-Dichlorobenzene	50.3		"	50.0		101	85-122		8.40	30	
1,2-Dichloroethane	50.2		"	50.0		100	71-133		6.93	30	
1,2-Dichloropropane	52.0		"	50.0		104	81-122		5.98	30	
1,3,5-Trimethylbenzene	51.7		"	50.0		103	82-126		6.77	30	
1,3-Dichlorobenzene	49.1		"	50.0		98.2	84-124		8.63	30	
1,4-Dichlorobenzene	49.1		"	50.0		98.2	84-124		9.04	30	
1,4-Dioxane	1010		"	1050		96.2	10-228		18.0	30	
2-Butanone	48.4		"	50.0		96.9	58-147		9.74	30	
2-Hexanone	50.7		"	50.0		101	70-139		11.1	30	
4-Methyl-2-pentanone	42.4		"	50.0		84.9	72-132		11.8	30	
Acetone	37.5		"	50.0		75.1	36-155		15.3	30	
Acrolein	88.6		"	50.0		177	10-238		8.82	30	
Acrylonitrile	53.1		"	50.0		106	66-141		9.98	30	
Benzene	51.3		"	50.0		103	77-127		8.09	30	
Bromochloromethane	52.5		"	50.0		105	74-129		6.31	30	
Bromodichloromethane	50.8		"	50.0		102	81-124		7.32	30	
Bromoform	46.5		"	50.0		92.9	80-136		11.1	30	
Bromomethane	57.7		"	50.0		115	32-177		1.29	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10676 - EPA 5035A											
LCS Dup (BC10676-BSD1)	LCS Dup		Prepared: 03/12/2021 Analyzed: 03/15/2021								
Carbon disulfide	53.6		ug/L	50.0		107	10-136		8.44	30	
Carbon tetrachloride	51.6		"	50.0		103	66-143		8.10	30	
Chlorobenzene	50.1		"	50.0		100	86-120		7.88	30	
Chloroethane	62.6		"	50.0		125	51-142		12.1	30	
Chloroform	50.6		"	50.0		101	76-131		7.27	30	
Chloromethane	52.8		"	50.0		106	49-132		7.10	30	
cis-1,2-Dichloroethylene	51.0		"	50.0		102	74-132		7.34	30	
cis-1,3-Dichloropropylene	50.6		"	50.0		101	81-129		6.82	30	
Cyclohexane	54.1		"	50.0		108	70-130		7.29	30	
Dibromochloromethane	52.1		"	50.0		104	10-200		11.3	30	
Dibromomethane	49.0		"	50.0		98.1	83-124		11.3	30	
Dichlorodifluoromethane	67.9		"	50.0		136	28-158		8.31	30	
Ethyl Benzene	51.3		"	50.0		103	84-125		7.16	30	
Hexachlorobutadiene	51.7		"	50.0		103	83-133		7.07	30	
Isopropylbenzene	50.4		"	50.0		101	81-127		4.93	30	
Methyl acetate	49.8		"	50.0		99.7	41-143		9.10	30	
Methyl tert-butyl ether (MTBE)	51.7		"	50.0		103	74-131		7.97	30	
Methylcyclohexane	54.4		"	50.0		109	70-130		6.71	30	
Methylene chloride	50.6		"	50.0		101	57-141		6.48	30	
n-Butylbenzene	51.7		"	50.0		103	80-130		3.01	30	
n-Propylbenzene	50.4		"	50.0		101	74-136		5.22	30	
o-Xylene	51.5		"	50.0		103	83-123		6.98	30	
p- & m- Xylenes	104		"	100		104	82-128		7.05	30	
p-Isopropyltoluene	52.6		"	50.0		105	85-125		5.62	30	
sec-Butylbenzene	53.8		"	50.0		108	83-125		5.76	30	
Styrene	52.9		"	50.0		106	86-126		7.50	30	
tert-Butyl alcohol (TBA)	229		"	250		91.5	70-130		10.4	30	
tert-Butylbenzene	44.6		"	50.0		89.1	80-127		4.90	30	
Tetrachloroethylene	48.4		"	50.0		96.7	80-129		9.53	30	
Toluene	51.2		"	50.0		102	85-121		7.27	30	
trans-1,2-Dichloroethylene	53.1		"	50.0		106	72-132		6.68	30	
trans-1,3-Dichloropropylene	49.7		"	50.0		99.4	78-132		9.16	30	
Trichloroethylene	51.6		"	50.0		103	84-123		7.19	30	
Trichlorofluoromethane	52.2		"	50.0		104	62-140		9.62	30	
Vinyl Chloride	57.4		"	50.0		115	52-130		7.84	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.4		"	50.0		98.8	77-125				
Surrogate: SURR: Toluene-d8	49.8		"	50.0		99.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.4	76-130				



Semivolatile 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 BC10647 - EPA 3550C

Blank (BC10647-BLK1)	Blank								Prepared & Analyzed: 03/11/2021		
1,1-Biphenyl	ND	0.0417	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"								
2,3,4,6-Tetrachlorophenol	ND	0.0833	"								
2,4,5-Trichlorophenol	ND	0.0417	"								
2,4,6-Trichlorophenol	ND	0.0417	"								
2,4-Dichlorophenol	ND	0.0417	"								
2,4-Dimethylphenol	ND	0.0417	"								
2,4-Dinitrophenol	ND	0.0833	"								
2,4-Dinitrotoluene	ND	0.0417	"								
2,6-Dinitrotoluene	ND	0.0417	"								
2-Chloronaphthalene	ND	0.0417	"								
2-Chlorophenol	ND	0.0417	"								
2-Methylnaphthalene	ND	0.0417	"								
2-Methylphenol	ND	0.0417	"								
2-Nitroaniline	ND	0.0833	"								
2-Nitrophenol	ND	0.0417	"								
3- & 4-Methylphenols	ND	0.0417	"								
3,3-Dichlorobenzidine	ND	0.0417	"								
3-Nitroaniline	ND	0.0833	"								
4,6-Dinitro-2-methylphenol	ND	0.0833	"								
4-Bromophenyl phenyl ether	ND	0.0417	"								
4-Chloro-3-methylphenol	ND	0.0417	"								
4-Chloroaniline	ND	0.0417	"								
4-Chlorophenyl phenyl ether	ND	0.0417	"								
4-Nitroaniline	ND	0.0833	"								
4-Nitrophenol	ND	0.0833	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Acetophenone	ND	0.0417	"								
Aniline	ND	0.167	"								
Anthracene	ND	0.0417	"								
Atrazine	ND	0.0417	"								
Benzaldehyde	ND	0.0417	"								
Benzidine	ND	0.167	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Benzoic acid	ND	0.0417	"								
Benzyl alcohol	ND	0.0417	"								
Benzyl butyl phthalate	ND	0.0417	"								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								



Semivolatile 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 BC10647 - EPA 3550C

Blank (BC10647-BLK1)		Blank									
		Prepared & Analyzed: 03/11/2021									
Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	0.964		"	1.67		57.8	20-108				
Surrogate: SURR: Phenol-d5	0.977		"	1.67		58.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.588		"	0.833		70.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.523		"	0.833		62.8	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.46		"	1.67		87.4	19-110				
Surrogate: SURR: Terphenyl-d14	0.810		"	0.833		97.2	24-116				



Semivolatile 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 BC10647 - EPA 3550C											
LCS (BC10647-BS1)	LCS	Prepared & Analyzed: 03/11/2021									
1,1-Biphenyl	0.634	0.0417	mg/kg wet	0.833		76.1	18-111				
1,2,4,5-Tetrachlorobenzene	0.602	0.0833	"	0.833		72.2	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.683	0.0417	"	0.833		82.0	17-137				
2,3,4,6-Tetrachlorophenol	0.712	0.0833	"	0.833		85.4	30-130				
2,4,5-Trichlorophenol	0.645	0.0417	"	0.833		77.4	27-118				
2,4,6-Trichlorophenol	0.610	0.0417	"	0.833		73.2	31-120				
2,4-Dichlorophenol	0.659	0.0417	"	0.833		79.0	20-127				
2,4-Dimethylphenol	0.653	0.0417	"	0.833		78.4	14-132				
2,4-Dinitrophenol	0.102	0.0833	"	0.833		12.3	10-171				
2,4-Dinitrotoluene	0.726	0.0417	"	0.833		87.2	34-131				
2,6-Dinitrotoluene	0.706	0.0417	"	0.833		84.7	31-128				
2-Chloronaphthalene	0.573	0.0417	"	0.833		68.8	31-117				
2-Chlorophenol	0.549	0.0417	"	0.833		65.9	33-113				
2-Methylnaphthalene	0.665	0.0417	"	0.833		79.8	12-138				
2-Methylphenol	0.586	0.0417	"	0.833		70.3	10-136				
2-Nitroaniline	0.659	0.0833	"	0.833		79.0	27-132				
2-Nitrophenol	0.613	0.0417	"	0.833		73.5	17-129				
3- & 4-Methylphenols	0.531	0.0417	"	0.833		63.7	29-103				
3,3-Dichlorobenzidine	0.632	0.0417	"	0.833		75.8	22-149				
3-Nitroaniline	0.627	0.0833	"	0.833		75.2	20-133				
4,6-Dinitro-2-methylphenol	0.326	0.0833	"	0.833		39.1	10-143				
4-Bromophenyl phenyl ether	0.718	0.0417	"	0.833		86.2	29-120				
4-Chloro-3-methylphenol	0.685	0.0417	"	0.833		82.2	24-129				
4-Chloroaniline	0.524	0.0417	"	0.833		62.9	10-132				
4-Chlorophenyl phenyl ether	0.604	0.0417	"	0.833		72.4	27-124				
4-Nitroaniline	0.661	0.0833	"	0.833		79.4	16-128				
4-Nitrophenol	0.689	0.0833	"	0.833		82.7	10-141				
Acenaphthene	0.602	0.0417	"	0.833		72.2	30-121				
Acenaphthylene	0.619	0.0417	"	0.833		74.2	30-115				
Acetophenone	0.551	0.0417	"	0.833		66.2	20-112				
Aniline	0.851	0.167	"	0.833		102	10-119				
Anthracene	0.672	0.0417	"	0.833		80.6	34-118				
Atrazine	0.794	0.0417	"	0.833		95.2	26-112				
Benzaldehyde	0.551	0.0417	"	0.833		66.2	21-100				
Benzo(a)anthracene	0.711	0.0417	"	0.833		85.4	32-122				
Benzo(a)pyrene	0.633	0.0417	"	0.833		76.0	29-133				
Benzo(b)fluoranthene	0.718	0.0417	"	0.833		86.2	25-133				
Benzo(g,h,i)perylene	0.808	0.0417	"	0.833		97.0	10-143				
Benzo(k)fluoranthene	0.643	0.0417	"	0.833		77.2	25-128				
Benzoic acid	0.129	0.0417	"	0.833		15.5	10-140				
Benzyl alcohol	0.696	0.0417	"	0.833		83.6	30-115				
Benzyl butyl phthalate	0.734	0.0417	"	0.833		88.0	26-126				
Bis(2-chloroethoxy)methane	0.598	0.0417	"	0.833		71.7	19-132				
Bis(2-chloroethyl)ether	0.537	0.0417	"	0.833		64.4	19-125				
Bis(2-chloroisopropyl)ether	0.674	0.0417	"	0.833		80.9	20-135				
Bis(2-ethylhexyl)phthalate	0.739	0.0417	"	0.833		88.7	10-155				
Caprolactam	0.682	0.0833	"	0.833		81.9	10-127				
Carbazole	0.696	0.0417	"	0.833		83.5	35-123				
Chrysene	0.715	0.0417	"	0.833		85.8	32-123				
Dibenzo(a,h)anthracene	0.724	0.0417	"	0.833		86.8	10-136				
Dibenzofuran	0.598	0.0417	"	0.833		71.8	29-121				



Semivolatile 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 BC10647 - EPA 3550C

LCS (BC10647-BS1)	LCS	Prepared & Analyzed: 03/11/2021									
Diethyl phthalate	0.665	0.0417	mg/kg wet	0.833		79.8	34-116				
Dimethyl phthalate	0.620	0.0417	"	0.833		74.4	35-124				
Di-n-butyl phthalate	0.724	0.0417	"	0.833		86.9	31-116				
Di-n-octyl phthalate	0.747	0.0417	"	0.833		89.6	26-136				
Diphenylamine	0.776	0.0833	"	0.833		93.2	40-140				
Fluoranthene	0.694	0.0417	"	0.833		83.3	33-122				
Fluorene	0.610	0.0417	"	0.833		73.2	29-123				
Hexachlorobenzene	0.678	0.0417	"	0.833		81.3	21-124				
Hexachlorobutadiene	0.618	0.0417	"	0.833		74.2	10-149				
Hexachlorocyclopentadiene	0.422	0.0417	"	0.833		50.7	10-129				
Hexachloroethane	0.521	0.0417	"	0.833		62.5	28-108				
Indeno(1,2,3-cd)pyrene	0.766	0.0417	"	0.833		91.9	10-135				
Isophorone	0.659	0.0417	"	0.833		79.1	20-132				
Naphthalene	0.574	0.0417	"	0.833		68.8	23-124				
Nitrobenzene	0.601	0.0417	"	0.833		72.2	13-132				
N-Nitrosodimethylamine	0.529	0.0417	"	0.833		63.5	11-129				
N-nitroso-di-n-propylamine	0.608	0.0417	"	0.833		73.0	24-119				
N-Nitrosodiphenylamine	0.835	0.0417	"	0.833		100	22-152				
Pentachlorophenol	0.488	0.0417	"	0.833		58.6	10-139				
Phenanthrene	0.662	0.0417	"	0.833		79.5	33-123				
Phenol	0.596	0.0417	"	0.833		71.6	23-115				
Pyrene	0.681	0.0417	"	0.833		81.7	24-130				
Pyridine	0.310	0.167	"	0.833		37.2	10-91				
Surrogate: SURR: 2-Fluorophenol	1.21		"	1.67		72.5	20-108				
Surrogate: SURR: Phenol-d5	1.25		"	1.67		75.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.696		"	0.833		83.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.680		"	0.833		81.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	2.00		"	1.67		120	19-110				
Surrogate: SURR: Terphenyl-d14	0.930		"	0.833		112	24-116				



Semivolatile 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 BC10647 - EPA 3550C											
Matrix Spike (BC10647-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08 0-0.5 030821)						Prepared: 03/11/2021 Analyzed: 03/12/2021			
1,1-Biphenyl	0.629	0.0949	mg/kg dry	0.948	ND	66.3	10-130				
1,2,4,5-Tetrachlorobenzene	0.604	0.190	"	0.948	ND	63.7	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.676	0.0949	"	0.948	ND	71.4	10-144				
2,3,4,6-Tetrachlorophenol	0.694	0.190	"	0.948	ND	73.2	30-130				
2,4,5-Trichlorophenol	0.665	0.0949	"	0.948	ND	70.2	10-127				
2,4,6-Trichlorophenol	0.598	0.0949	"	0.948	ND	63.0	10-132				
2,4-Dichlorophenol	0.686	0.0949	"	0.948	ND	72.4	10-128				
2,4-Dimethylphenol	0.680	0.0949	"	0.948	ND	71.8	10-137				
2,4-Dinitrophenol	ND	0.190	"	0.948	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.651	0.0949	"	0.948	ND	68.6	16-135				
2,6-Dinitrotoluene	0.677	0.0949	"	0.948	ND	71.4	18-131				
2-Chloronaphthalene	0.582	0.0949	"	0.948	ND	61.4	10-129				
2-Chlorophenol	0.553	0.0949	"	0.948	ND	58.3	15-116				
2-Methylnaphthalene	0.689	0.0949	"	0.948	ND	72.7	10-147				
2-Methylphenol	0.562	0.0949	"	0.948	ND	59.3	10-136				
2-Nitroaniline	0.631	0.190	"	0.948	ND	66.6	10-137				
2-Nitrophenol	0.601	0.0949	"	0.948	ND	63.4	10-129				
3- & 4-Methylphenols	0.563	0.0949	"	0.948	ND	59.4	10-123				
3,3-Dichlorobenzidine	0.380	0.0949	"	0.948	ND	40.1	10-155				
3-Nitroaniline	0.551	0.190	"	0.948	ND	58.2	12-133				
4,6-Dinitro-2-methylphenol	0.160	0.190	"	0.948	ND	16.9	10-155				
4-Bromophenyl phenyl ether	0.720	0.0949	"	0.948	ND	75.9	14-128				
4-Chloro-3-methylphenol	0.753	0.0949	"	0.948	ND	79.4	10-134				
4-Chloroaniline	0.491	0.0949	"	0.948	ND	51.8	10-145				
4-Chlorophenyl phenyl ether	0.640	0.0949	"	0.948	ND	67.5	14-130				
4-Nitroaniline	0.562	0.190	"	0.948	ND	59.3	10-147				
4-Nitrophenol	0.739	0.190	"	0.948	ND	78.0	10-137				
Acenaphthene	0.636	0.0949	"	0.948	ND	67.1	10-146				
Acenaphthylene	0.631	0.0949	"	0.948	ND	66.6	10-134				
Acetophenone	0.598	0.0949	"	0.948	ND	63.1	10-116				
Aniline	0.585	0.380	"	0.948	ND	61.7	10-123				
Anthracene	0.683	0.0949	"	0.948	ND	72.0	10-142				
Atrazine	0.762	0.0949	"	0.948	ND	80.4	19-115				
Benzaldehyde	0.598	0.0949	"	0.948	ND	63.1	10-125				
Benzo(a)anthracene	0.727	0.0949	"	0.948	0.0526	71.1	10-158				
Benzo(a)pyrene	0.627	0.0949	"	0.948	0.0608	59.7	10-180				
Benzo(b)fluoranthene	0.654	0.0949	"	0.948	0.0541	63.3	10-200				
Benzo(g,h,i)perylene	0.736	0.0949	"	0.948	0.0526	72.1	10-138				
Benzo(k)fluoranthene	0.632	0.0949	"	0.948	ND	66.7	10-197				
Benzoic acid	0.202	0.0949	"	0.948	ND	21.3	10-166				
Benzyl alcohol	0.668	0.0949	"	0.948	ND	70.5	12-124				
Benzyl butyl phthalate	0.712	0.0949	"	0.948	ND	75.1	10-154				
Bis(2-chloroethoxy)methane	0.578	0.0949	"	0.948	ND	61.0	10-132				
Bis(2-chloroethyl)ether	0.531	0.0949	"	0.948	ND	56.0	10-119				
Bis(2-chloroisopropyl)ether	0.686	0.0949	"	0.948	ND	72.3	10-139				
Bis(2-ethylhexyl)phthalate	0.810	0.0949	"	0.948	0.0781	77.2	10-167				
Caprolactam	0.657	0.190	"	0.948	ND	69.3	10-132				
Carbazole	0.671	0.0949	"	0.948	ND	70.8	10-167				
Chrysene	0.735	0.0949	"	0.948	0.0616	71.0	10-156				
Dibenzo(a,h)anthracene	0.657	0.0949	"	0.948	ND	69.3	10-137				
Dibenzofuran	0.626	0.0949	"	0.948	ND	66.1	10-147				



Semivolatile 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 BC10647 - EPA 3550C

Matrix Spike (BC10647-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)						Prepared: 03/11/2021 Analyzed: 03/12/2021			
Diethyl phthalate	0.630	0.0949	mg/kg dry	0.948	ND	66.5	20-120				
Dimethyl phthalate	0.569	0.0949	"	0.948	ND	60.0	18-131				
Di-n-butyl phthalate	0.830	0.0949	"	0.948	ND	87.6	10-137				
Di-n-octyl phthalate	0.730	0.0949	"	0.948	ND	77.0	10-180				
Diphenylamine	0.786	0.190	"	0.948	ND	83.0	40-140				
Fluoranthene	0.802	0.0949	"	0.948	0.101	73.9	10-160				
Fluorene	0.649	0.0949	"	0.948	ND	68.5	10-157				
Hexachlorobenzene	0.732	0.0949	"	0.948	ND	77.2	10-137				
Hexachlorobutadiene	0.677	0.0949	"	0.948	ND	71.4	10-132				
Hexachlorocyclopentadiene	ND	0.0949	"	0.948	ND		10-106	Low Bias			
Hexachloroethane	0.437	0.0949	"	0.948	ND	46.1	10-110				
Indeno(1,2,3-cd)pyrene	0.687	0.0949	"	0.948	ND	72.5	10-144				
Isophorone	0.638	0.0949	"	0.948	ND	67.3	10-132				
Naphthalene	0.587	0.0949	"	0.948	ND	61.9	10-141				
Nitrobenzene	0.607	0.0949	"	0.948	ND	64.1	10-131				
N-Nitrosodimethylamine	0.502	0.0949	"	0.948	ND	53.0	10-126				
N-nitroso-di-n-propylamine	0.606	0.0949	"	0.948	ND	63.9	10-125				
N-Nitrosodiphenylamine	0.861	0.0949	"	0.948	ND	90.8	10-177				
Pentachlorophenol	0.479	0.0949	"	0.948	ND	50.6	10-153				
Phenanthrene	0.702	0.0949	"	0.948	0.0503	68.8	10-148				
Phenol	0.636	0.0949	"	0.948	ND	67.0	10-126				
Pyrene	0.771	0.0949	"	0.948	0.0886	72.0	10-165				
Pyridine	0.329	0.380	"	0.948	ND	34.7	10-83				
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>1.28</i>		<i>"</i>	<i>1.90</i>		<i>67.8</i>	<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>1.32</i>		<i>"</i>	<i>1.90</i>		<i>69.6</i>	<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.727</i>		<i>"</i>	<i>0.948</i>		<i>76.6</i>	<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.691</i>		<i>"</i>	<i>0.948</i>		<i>72.9</i>	<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>2.07</i>		<i>"</i>	<i>1.90</i>		<i>109</i>	<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.928</i>		<i>"</i>	<i>0.948</i>		<i>97.9</i>	<i>24-116</i>				



Semivolatile 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 BC10647 - EPA 3550C											
Matrix Spike Dup (BC10647-1) Matrix Spike Dup						Source sample: 21C0404-05 (SB08 0-0.5 030821)					
						Prepared: 03/11/2021 Analyzed: 03/12/2021					
1,1-Biphenyl	0.629	0.0949	mg/kg dry	0.948	ND	66.4	10-130		0.121	30	
1,2,4,5-Tetrachlorobenzene	0.658	0.190	"	0.948	ND	69.4	10-133		8.54	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.699	0.0949	"	0.948	ND	73.8	10-144		3.31	30	
2,3,4,6-Tetrachlorophenol	0.616	0.190	"	0.948	ND	65.0	30-130		11.9	30	
2,4,5-Trichlorophenol	0.562	0.0949	"	0.948	ND	59.3	10-127		16.8	30	
2,4,6-Trichlorophenol	0.529	0.0949	"	0.948	ND	55.8	10-132		12.1	30	
2,4-Dichlorophenol	0.651	0.0949	"	0.948	ND	68.6	10-128		5.33	30	
2,4-Dimethylphenol	0.694	0.0949	"	0.948	ND	73.2	10-137		1.99	30	
2,4-Dinitrophenol	ND	0.190	"	0.948	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.671	0.0949	"	0.948	ND	70.8	16-135		3.10	30	
2,6-Dinitrotoluene	0.654	0.0949	"	0.948	ND	69.0	18-131		3.42	30	
2-Chloronaphthalene	0.601	0.0949	"	0.948	ND	63.4	10-129		3.33	30	
2-Chlorophenol	0.542	0.0949	"	0.948	ND	57.2	15-116		1.94	30	
2-Methylnaphthalene	0.723	0.0949	"	0.948	ND	76.3	10-147		4.83	30	
2-Methylphenol	0.593	0.0949	"	0.948	ND	62.6	10-136		5.38	30	
2-Nitroaniline	0.659	0.190	"	0.948	ND	69.5	10-137		4.35	30	
2-Nitrophenol	0.470	0.0949	"	0.948	ND	49.6	10-129		24.4	30	
3- & 4-Methylphenols	0.566	0.0949	"	0.948	ND	59.7	10-123		0.403	30	
3,3-Dichlorobenzidine	0.444	0.0949	"	0.948	ND	46.8	10-155		15.5	30	
3-Nitroaniline	0.571	0.190	"	0.948	ND	60.2	12-133		3.51	30	
4,6-Dinitro-2-methylphenol	0.173	0.190	"	0.948	ND	18.2	10-155		7.74	30	
4-Bromophenyl phenyl ether	0.726	0.0949	"	0.948	ND	76.6	14-128		0.839	30	
4-Chloro-3-methylphenol	0.744	0.0949	"	0.948	ND	78.5	10-134		1.22	30	
4-Chloroaniline	0.523	0.0949	"	0.948	ND	55.1	10-145		6.29	30	
4-Chlorophenyl phenyl ether	0.630	0.0949	"	0.948	ND	66.5	14-130		1.55	30	
4-Nitroaniline	0.621	0.190	"	0.948	ND	65.5	10-147		10.0	30	
4-Nitrophenol	0.624	0.190	"	0.948	ND	65.8	10-137		16.9	30	
Acenaphthene	0.646	0.0949	"	0.948	ND	68.2	10-146		1.54	30	
Acenaphthylene	0.647	0.0949	"	0.948	ND	68.2	10-134		2.49	30	
Acetophenone	0.610	0.0949	"	0.948	ND	64.3	10-116		1.88	30	
Aniline	0.596	0.380	"	0.948	ND	62.9	10-123		1.93	30	
Anthracene	0.677	0.0949	"	0.948	ND	71.4	10-142		0.781	30	
Atrazine	0.779	0.0949	"	0.948	ND	82.2	19-115		2.17	30	
Benzaldehyde	0.610	0.0949	"	0.948	ND	64.3	10-125		1.88	30	
Benzo(a)anthracene	0.759	0.0949	"	0.948	0.0526	74.5	10-158		4.39	30	
Benzo(a)pyrene	0.637	0.0949	"	0.948	0.0608	60.8	10-180		1.56	30	
Benzo(b)fluoranthene	0.683	0.0949	"	0.948	0.0541	66.3	10-200		4.20	30	
Benzo(g,h,i)perylene	0.731	0.0949	"	0.948	0.0526	71.6	10-138		0.620	30	
Benzo(k)fluoranthene	0.660	0.0949	"	0.948	ND	69.6	10-197		4.23	30	
Benzoic acid	0.0675	0.0949	"	0.948	ND	7.12	10-166	Low Bias	99.7	30	Non-dir.
Benzyl alcohol	0.686	0.0949	"	0.948	ND	72.3	12-124		2.58	30	
Benzyl butyl phthalate	0.730	0.0949	"	0.948	ND	77.0	10-154		2.52	30	
Bis(2-chloroethoxy)methane	0.624	0.0949	"	0.948	ND	65.8	10-132		7.70	30	
Bis(2-chloroethyl)ether	0.588	0.0949	"	0.948	ND	62.1	10-119		10.3	30	
Bis(2-chloroisopropyl)ether	0.686	0.0949	"	0.948	ND	72.3	10-139		0.00	30	
Bis(2-ethylhexyl)phthalate	0.808	0.0949	"	0.948	0.0781	77.0	10-167		0.187	30	
Caprolactam	0.651	0.190	"	0.948	ND	68.7	10-132		0.812	30	
Carbazole	0.683	0.0949	"	0.948	ND	72.0	10-167		1.68	30	
Chrysene	0.746	0.0949	"	0.948	0.0616	72.2	10-156		1.54	30	
Dibenzo(a,h)anthracene	0.667	0.0949	"	0.948	ND	70.3	10-137		1.49	30	
Dibenzofuran	0.628	0.0949	"	0.948	ND	66.2	10-147		0.242	30	



Semivolatile 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 BC10647 - EPA 3550C

Matrix Spike Dup (BC10647-1)					Source sample: 21C0404-05 (SB08_0-0.5_030821)						
					Prepared: 03/11/2021 Analyzed: 03/12/2021						
Diethyl phthalate	0.640	0.0949	mg/kg dry	0.948	ND	67.5	20-120		1.55	30	
Dimethyl phthalate	0.579	0.0949	"	0.948	ND	61.0	18-131		1.72	30	
Di-n-butyl phthalate	0.722	0.0949	"	0.948	ND	76.2	10-137		14.0	30	
Di-n-octyl phthalate	0.758	0.0949	"	0.948	ND	79.9	10-180		3.67	30	
Diphenylamine	0.804	0.190	"	0.948	ND	84.8	40-140		2.19	30	
Fluoranthene	0.802	0.0949	"	0.948	0.101	73.9	10-160		0.00	30	
Fluorene	0.636	0.0949	"	0.948	ND	67.1	10-157		2.01	30	
Hexachlorobenzene	0.717	0.0949	"	0.948	ND	75.7	10-137		1.99	30	
Hexachlorobutadiene	0.717	0.0949	"	0.948	ND	75.7	10-132		5.76	30	
Hexachlorocyclopentadiene	ND	0.0949	"	0.948	ND		10-106	Low Bias		30	
Hexachloroethane	0.410	0.0949	"	0.948	ND	43.2	10-110		6.45	30	
Indeno(1,2,3-cd)pyrene	0.709	0.0949	"	0.948	ND	74.8	10-144		3.15	30	
Isophorone	0.682	0.0949	"	0.948	ND	71.9	10-132		6.67	30	
Naphthalene	0.629	0.0949	"	0.948	ND	66.3	10-141		6.86	30	
Nitrobenzene	0.652	0.0949	"	0.948	ND	68.8	10-131		7.10	30	
N-Nitrosodimethylamine	0.513	0.0949	"	0.948	ND	54.2	10-126		2.24	30	
N-nitroso-di-n-propylamine	0.629	0.0949	"	0.948	ND	66.4	10-125		3.81	30	
N-Nitrosodiphenylamine	0.887	0.0949	"	0.948	ND	93.5	10-177		2.95	30	
Pentachlorophenol	0.474	0.0949	"	0.948	ND	50.0	10-153		1.11	30	
Phenanthrene	0.709	0.0949	"	0.948	0.0503	69.5	10-148		0.967	30	
Phenol	0.628	0.0949	"	0.948	ND	66.2	10-126		1.20	30	
Pyrene	0.774	0.0949	"	0.948	0.0886	72.3	10-165		0.295	30	
Pyridine	0.354	0.380	"	0.948	ND	37.4	10-83		7.33	30	
Surrogate: SURR: 2-Fluorophenol	1.19		"	1.90		62.7	20-108				
Surrogate: SURR: Phenol-d5	1.35		"	1.90		71.0	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.793		"	0.948		83.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.702		"	0.948		74.1	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.72		"	1.90		90.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.970		"	0.948		102	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC10727 - EPA 3550C											
Blank (BC10727-BLK1)	Blank		Prepared & Analyzed: 03/12/2021								
1,4-Dioxane	ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8	277		"	495		56.0	39-127.5				
LCS (BC10727-BS1)	LCS		Prepared & Analyzed: 03/12/2021								
1,4-Dioxane	517	9.90	ug/kg	495		104	40-130				
Surrogate: 1,4-Dioxane-d8	228		"	495		46.0	39-127.5				
Matrix Spike (BC10727-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)					Prepared & Analyzed: 03/12/2021				
1,4-Dioxane	477	9.90	ug/kg	495	ND	96.4	40-130				
Surrogate: 1,4-Dioxane-d8	277		"	495		56.0	40-130				
Matrix Spike Dup (BC10727-MS1)	Matrix Spike Dup	*Source sample: 21C0404-05 (SB08_0-0.5_030821)					Prepared & Analyzed: 03/12/2021				
1,4-Dioxane	517	9.90	ug/kg	495	ND	104	40-130		7.97	30	
Surrogate: 1,4-Dioxane-d8	228		"	495		46.0	40-130				



PFAS Target compounds by LC/MS-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 BC10602 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC10602-BLK1)		Blank		Prepared: 03/10/2021 Analyzed: 03/12/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	0.488	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.488	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.488	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.488	"								
Perfluorooctanoic acid (PFOA)	ND	0.488	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.488	"								
Perfluorononanoic acid (PFNA)	ND	0.488	"								
Perfluorodecanoic acid (PFDA)	ND	0.488	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.488	"								
Perfluorododecanoic acid (PFDoA)	ND	0.488	"								
Perfluorotridecanoic acid (PFTriDA)	ND	0.488	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.488	"								
N-MeFOSAA	ND	0.488	"								
N-EtFOSAA	ND	0.488	"								
Perfluoropentanoic acid (PFPeA)	ND	0.488	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.488	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.488	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.488	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	0.488	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.488	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.488	"								
Surrogate: M3PFBS	4.29		"	4.53		94.7	25-150				
Surrogate: M5PFHxA	4.75		"	4.88		97.5	25-150				
Surrogate: M4PFHpA	3.52		"	4.88		72.1	25-150				
Surrogate: M3PFHxS	3.70		"	4.61		80.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.60		"	4.88		94.4	25-150				
Surrogate: M6PFDA	4.65		"	4.88		95.4	25-150				
Surrogate: M7PFUdA	3.49		"	4.88		71.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.50		"	4.88		71.7	25-150				
Surrogate: M2PFTeDA	3.35		"	4.88		68.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.71		"	4.88		96.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.37		"	4.67		72.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.65		"	4.88		95.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.92		"	4.88		80.3	10-150				
Surrogate: d3-N-MeFOSAA	2.69		"	4.88		55.2	25-150				
Surrogate: d5-N-EtFOSAA	3.20		"	4.88		65.6	25-150				
Surrogate: M2-6:2 FTS	3.78		"	4.63		81.7	25-150				
Surrogate: M2-8:2 FTS	4.94		"	4.67		106	25-150				
Surrogate: M9PFNA	5.75		"	4.88		118	25-150				



PFAS Target compounds by LC/MS-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 BC10602 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BC10602-BS1)	LCS	Prepared: 03/10/2021 Analyzed: 03/12/2021									
Perfluorobutanesulfonic acid (PFBS)	4.21	0.487	ug/kg wet	4.31		97.8	50-130				
Perfluorohexanoic acid (PFHxA)	4.21	0.487	"	4.87		86.4	50-130				
Perfluoroheptanoic acid (PFHpA)	5.62	0.487	"	4.87		115	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.75	0.487	"	4.44		130	50-130				
Perfluorooctanoic acid (PFOA)	3.98	0.487	"	4.87		81.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	6.24	0.487	"	4.51		138	60-140				
Perfluorononanoic acid (PFNA)	3.69	0.487	"	4.87		75.8	50-130				
Perfluorodecanoic acid (PFDA)	3.99	0.487	"	4.87		81.9	50-130				
Perfluoroundecanoic acid (PFUnA)	4.53	0.487	"	4.87		93.0	50-130				
Perfluorododecanoic acid (PFDoA)	4.66	0.487	"	4.87		95.8	50-130				
Perfluorotridecanoic acid (PFTDA)	4.02	0.487	"	4.87		82.5	50-130				
Perfluorotetradecanoic acid (PFTA)	4.46	0.487	"	4.87		91.6	50-130				
N-MeFOSAA	5.80	0.487	"	4.87		119	50-130				
N-EtFOSAA	4.91	0.487	"	4.87		101	50-130				
Perfluoropentanoic acid (PFPeA)	4.93	0.487	"	4.87		101	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.81	0.487	"	4.87		98.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.11	0.487	"	4.62		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	5.61	0.487	"	4.70		119	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	3.89	0.487	"	4.62		84.2	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	4.97	0.487	"	4.67		106	50-130				
Perfluoro-n-butanoic acid (PFBA)	5.30	0.487	"	4.87		109	50-130				
Surrogate: M3PFBS	4.28		"	4.52		94.7	25-150				
Surrogate: M5PFHxA	4.63		"	4.87		95.1	25-150				
Surrogate: M4PFHpA	3.30		"	4.87		67.9	25-150				
Surrogate: M3PFHxS	3.57		"	4.60		77.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.28		"	4.87		87.9	25-150				
Surrogate: M6PFDA	4.14		"	4.87		85.0	25-150				
Surrogate: M7PFUdA	3.50		"	4.87		72.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDdA)	3.59		"	4.87		73.8	25-150				
Surrogate: M2PFTeDA	3.87		"	4.87		79.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.64		"	4.87		95.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.15		"	4.66		67.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.40		"	4.87		90.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.83		"	4.87		78.7	10-150				
Surrogate: d3-N-MeFOSAA	2.44		"	4.87		50.2	25-150				
Surrogate: d5-N-EtFOSAA	2.57		"	4.87		52.8	25-150				
Surrogate: M2-6:2 FTS	3.86		"	4.62		83.6	25-150				
Surrogate: M2-8:2 FTS	4.07		"	4.66		87.2	25-150				
Surrogate: M9PFNA	5.79		"	4.87		119	25-150				



PFAS Target compounds by LC/MS-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 BC10602 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC10602-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08 0-0.5 030821)						Prepared: 03/10/2021 Analyzed: 03/12/2021			
Perfluorobutanesulfonic acid (PFBS)	4.73	0.567	ug/kg dry	5.02	ND	94.2	25-150				
Perfluorohexanoic acid (PFHxA)	4.73	0.567	"	5.67	ND	83.5	25-150				
Perfluoroheptanoic acid (PFHpA)	6.24	0.567	"	5.67	ND	110	25-150				
Perfluorohexanesulfonic acid (PFHxS)	6.51	0.567	"	5.17	ND	126	25-150				
Perfluorooctanoic acid (PFOA)	4.38	0.567	"	5.67	ND	77.2	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.54	0.567	"	5.25	ND	106	25-150				
Perfluorononanoic acid (PFNA)	4.38	0.567	"	5.67	ND	77.3	25-150				
Perfluorodecanoic acid (PFDA)	4.55	0.567	"	5.67	ND	80.2	25-150				
Perfluoroundecanoic acid (PFUnA)	5.12	0.567	"	5.67	ND	90.3	25-150				
Perfluorododecanoic acid (PFDoA)	5.28	0.567	"	5.67	ND	93.1	25-150				
Perfluorotridecanoic acid (PFTriDA)	4.22	0.567	"	5.67	ND	74.5	25-150				
Perfluorotetradecanoic acid (PFTA)	5.59	0.567	"	5.67	ND	98.7	25-150				
N-MeFOSAA	5.98	0.567	"	5.67	ND	106	25-150				
N-EtFOSAA	6.06	0.567	"	5.67	ND	107	25-150				
Perfluoropentanoic acid (PFPeA)	5.60	0.567	"	5.67	ND	98.8	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.34	0.567	"	5.67	ND	94.2	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.46	0.567	"	5.38	ND	101	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.24	0.567	"	5.47	ND	95.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.45	0.567	"	5.38	ND	82.6	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.78	0.567	"	5.44	ND	106	25-150				
Perfluoro-n-butanoic acid (PFBA)	6.37	0.567	"	5.67	ND	112	25-150				
<i>Surrogate: M3PFBS</i>	4.52		"	5.27		85.8	25-150				
<i>Surrogate: M5PFHxA</i>	5.05		"	5.67		89.1	25-150				
<i>Surrogate: M4PFHpA</i>	3.57		"	5.67		62.9	25-150				
<i>Surrogate: M3PFHxS</i>	3.68		"	5.36		68.6	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	5.12		"	5.67		90.4	25-150				
<i>Surrogate: M6PFDA</i>	4.62		"	5.67		81.4	25-150				
<i>Surrogate: M7PFUdA</i>	3.76		"	5.67		66.4	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	3.48		"	5.67		61.4	25-150				
<i>Surrogate: M2PFTeDA</i>	3.32		"	5.67		58.6	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	5.08		"	5.67		89.6	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	3.68		"	5.42		67.8	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	4.67		"	5.67		82.4	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	2.89		"	5.67		50.9	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	2.54		"	5.67		44.9	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	2.44		"	5.67		43.0	25-150				
<i>Surrogate: M2-6:2 FTS</i>	5.30		"	5.38		98.6	25-150				
<i>Surrogate: M2-8:2 FTS</i>	5.40		"	5.43		99.5	25-150				
<i>Surrogate: M9PFNA</i>	5.85		"	5.67		103	25-150				



PFAS Target compounds by LC/MS-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 BC10602 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC10602-1) Matrix Spike Dup Source sample: 21C0404-05 (SB08_0-0.5_030821)						Prepared: 03/10/2021 Analyzed: 03/12/2021					
Perfluorobutanesulfonic acid (PFBS)	4.73	0.563	ug/kg dry	4.98	ND	95.0	25-150		0.194	35	
Perfluorohexanoic acid (PFHxA)	4.73	0.563	"	5.63	ND	84.0	25-150		0.103	35	
Perfluoroheptanoic acid (PFHpA)	6.16	0.563	"	5.63	ND	109	25-150		1.40	35	
Perfluorohexanesulfonic acid (PFHxS)	6.29	0.563	"	5.14	ND	123	25-150		3.47	35	
Perfluorooctanoic acid (PFOA)	4.12	0.563	"	5.63	ND	73.1	25-150		6.12	35	
Perfluorooctanesulfonic acid (PFOS)	5.76	0.563	"	5.22	ND	110	25-150		3.76	35	
Perfluorononanoic acid (PFNA)	4.41	0.563	"	5.63	ND	78.3	25-150		0.590	35	
Perfluorodecanoic acid (PFDA)	4.53	0.563	"	5.63	ND	80.5	25-150		0.267	35	
Perfluoroundecanoic acid (PFUnA)	5.38	0.563	"	5.63	ND	95.6	25-150		5.06	35	
Perfluorododecanoic acid (PFDoA)	5.47	0.563	"	5.63	ND	97.2	25-150		3.60	35	
Perfluorotridecanoic acid (PFTriDA)	4.59	0.563	"	5.63	ND	81.5	25-150		8.27	35	
Perfluorotetradecanoic acid (PFTA)	5.47	0.563	"	5.63	ND	97.2	25-150		2.20	35	
N-MeFOSAA	5.98	0.563	"	5.63	ND	106	25-150		0.0444	35	
N-EtFOSAA	5.11	0.563	"	5.63	ND	90.7	25-150		17.0	35	
Perfluoropentanoic acid (PFPeA)	5.65	0.563	"	5.63	ND	100	25-150		0.966	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.56	0.563	"	5.63	ND	98.7	25-150		4.06	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.59	0.563	"	5.35	ND	105	25-150		2.33	35	
Perfluoro-1-decanesulfonic acid (PFDS)	5.17	0.563	"	5.43	ND	95.1	25-150		1.44	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	5.25	0.563	"	5.35	ND	98.2	25-150		16.6	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	5.58	0.563	"	5.41	ND	103	25-150		3.63	35	
Perfluoro-n-butanoic acid (PFBA)	6.14	0.563	"	5.63	ND	109	25-150		3.69	35	
Surrogate: M3PFBS	4.22		"	5.23		80.6	25-150				
Surrogate: M5PFHxA	4.83		"	5.63		85.8	25-150				
Surrogate: M4PFHpA	3.45		"	5.63		61.3	25-150				
Surrogate: M3PFHxS	3.63		"	5.33		68.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.20		"	5.63		92.3	25-150				
Surrogate: M6PFDA	4.50		"	5.63		79.9	25-150				
Surrogate: M7PFUdA	3.59		"	5.63		63.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.24		"	5.63		57.5	25-150				
Surrogate: M2PFTeDA	3.04		"	5.63		53.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.92		"	5.63		87.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.58		"	5.39		66.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.43		"	5.63		78.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.64		"	5.63		46.9	10-150				
Surrogate: d3-N-MeFOSAA	2.41		"	5.63		42.8	25-150				
Surrogate: d5-N-EtFOSAA	2.96		"	5.63		52.6	25-150				
Surrogate: M2-6:2 FTS	4.32		"	5.34		80.9	25-150				
Surrogate: M2-8:2 FTS	5.92		"	5.40		110	25-150				
Surrogate: M9PFNA	5.51		"	5.63		97.8	25-150				



PFAS Target compounds by LC/MS-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 BC10765 - SPE Ext-PFAS-EPA 537.1M

Blank (BC10765-BLK1)		Blank		Prepared: 03/12/2021 Analyzed: 03/15/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	91.6		"	74.3		123	25-150				
Surrogate: M5PFHxA	97.2		"	80.0		122	25-150				
Surrogate: M4PFHpA	74.5		"	80.0		93.2	25-150				
Surrogate: M3PFHxS	72.1		"	75.7		95.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	97.1		"	80.0		121	25-150				
Surrogate: M6PFDA	110		"	80.0		137	25-150				
Surrogate: M7PFUdA	101		"	80.0		126	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	107		"	80.0		134	25-150				
Surrogate: M2PFTeDA	70.0		"	80.0		87.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	107		"	80.0		134	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	83.0		"	76.6		108	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	99.4		"	80.0		124	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.3		"	80.0		75.3	10-150				
Surrogate: d3-N-MeFOSAA	56.0		"	80.0		70.0	25-150				
Surrogate: d5-N-EtFOSAA	77.2		"	80.0		96.5	25-150				
Surrogate: M2-6:2 FTS	75.2		"	75.9		99.1	25-150				
Surrogate: M2-8:2 FTS	99.9		"	76.6		130	25-150				
Surrogate: M9PFNA	106		"	80.0		133	25-150				



PFAS Target compounds by LC/MS-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 BC10765 - SPE Ext-PFAS-EPA 537.1M

LCS (BC10765-BS1)	LCS	Prepared: 03/12/2021 Analyzed: 03/15/2021									
Perfluorobutanesulfonic acid (PFBS)	75.3	2.00	ng/L	70.8		106	50-130				
Perfluorohexanoic acid (PFHxA)	74.8	2.00	"	80.0		93.5	50-130				
Perfluoroheptanoic acid (PFHpA)	90.5	2.00	"	80.0		113	50-130				
Perfluorohexanesulfonic acid (PFHxS)	82.7	2.00	"	73.0		113	50-130				
Perfluorooctanoic acid (PFOA)	71.0	2.00	"	80.0		88.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	83.5	2.00	"	74.1		113	50-130				
Perfluorononanoic acid (PFNA)	69.1	2.00	"	80.0		86.4	50-130				
Perfluorodecanoic acid (PFDA)	72.7	2.00	"	80.0		90.8	50-130				
Perfluoroundecanoic acid (PFUnA)	80.1	2.00	"	80.0		100	50-130				
Perfluorododecanoic acid (PFDoA)	81.5	2.00	"	80.0		102	50-130				
Perfluorotridecanoic acid (PFTDA)	54.0	2.00	"	80.0		67.5	50-130				
Perfluorotetradecanoic acid (PFTA)	83.2	2.00	"	80.0		104	50-130				
N-MeFOSAA	96.3	2.00	"	80.0		120	50-130				
N-EtFOSAA	79.6	2.00	"	80.0		99.5	50-130				
Perfluoropentanoic acid (PFPeA)	85.4	2.00	"	80.0		107	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	86.1	2.00	"	80.0		108	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.5	2.00	"	76.0		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	89.4	2.00	"	77.2		116	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	80.8	5.00	"	76.0		106	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	89.2	2.00	"	76.8		116	50-130				
Perfluoro-n-butanoic acid (PFBA)	88.0	2.00	"	80.0		110	50-130				
Surrogate: M3PFBS	89.5		"	74.3		120	25-150				
Surrogate: M5PFHxA	97.8		"	80.0		122	25-150				
Surrogate: M4PFHpA	76.3		"	80.0		95.4	25-150				
Surrogate: M3PFHxS	78.7		"	75.7		104	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	94.7		"	80.0		118	25-150				
Surrogate: M6PFDA	95.2		"	80.0		119	25-150				
Surrogate: M7PFUdA	85.0		"	80.0		106	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	78.0		"	80.0		97.6	25-150				
Surrogate: M2PFTeDA	43.8		"	80.0		54.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	104		"	80.0		130	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	78.3		"	76.6		102	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	97.9		"	80.0		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	45.8		"	80.0		57.3	10-150				
Surrogate: d3-N-MeFOSAA	57.4		"	80.0		71.7	25-150				
Surrogate: d5-N-EtFOSAA	71.2		"	80.0		89.0	25-150				
Surrogate: M2-6:2 FTS	76.7		"	75.9		101	25-150				
Surrogate: M2-8:2 FTS	81.7		"	76.6		107	25-150				
Surrogate: M9PFNA	87.7		"	80.0		110	25-150				



PFAS Target compounds by LC/MS-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 BC10765 - SPE Ext-PFAS-EPA 537.1M

Duplicate (BC10765-DUP1)	Duplicate	*Source sample: 21C0500-01 (Duplicate)				Prepared: 03/12/2021 Analyzed: 03/15/2021					
Perfluorobutanesulfonic acid (PFBS)	ND	1.79	ng/L	ND	ND					30	
Perfluorohexanoic acid (PFHxA)	ND	1.79	"	ND	ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	1.79	"	ND	ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	1.79	"	ND	ND					30	
Perfluorooctanoic acid (PFOA)	ND	1.79	"	ND	ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	1.79	"	ND	ND					30	
Perfluorononanoic acid (PFNA)	ND	1.79	"	ND	ND					30	
Perfluorodecanoic acid (PFDA)	ND	1.79	"	ND	ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	1.79	"	ND	ND					30	
Perfluorododecanoic acid (PFDoA)	ND	1.79	"	ND	ND					30	
Perfluorotridecanoic acid (PFTDA)	ND	1.79	"	ND	ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	1.79	"	ND	ND					30	
N-MeFOSAA	ND	1.79	"	ND	ND					30	
N-EtFOSAA	ND	1.79	"	ND	ND					30	
Perfluoropentanoic acid (PFPeA)	ND	1.79	"	ND	ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.79	"	ND	ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.79	"	ND	ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.79	"	ND	ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	4.46	"	ND	ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	1.79	"	ND	ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	1.79	"	ND	ND					30	
Surrogate: M3PFBS	74.9		"	66.4		113	25-150				
Surrogate: M5PFHxA	69.6		"	71.4		97.5	25-150				
Surrogate: M4PFHpA	42.1		"	71.4		58.9	25-150				
Surrogate: M3PFHxS	58.5		"	67.6		86.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.7		"	71.4		89.2	25-150				
Surrogate: M6PFDA	58.7		"	71.4		82.2	25-150				
Surrogate: M7PFUdA	52.0		"	71.4		72.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	55.4		"	71.4		77.5	25-150				
Surrogate: M2PFTeDA	47.0		"	71.4		65.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	98.6		"	71.4		138	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	59.3		"	68.4		86.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	75.0		"	71.4		105	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	17.4		"	71.4		24.4	10-150				
Surrogate: d3-N-MeFOSAA	35.1		"	71.4		49.1	25-150				
Surrogate: d5-N-EtFOSAA	47.1		"	71.4		65.9	25-150				
Surrogate: M2-6:2 FTS	59.9		"	67.8		88.4	25-150				
Surrogate: M2-8:2 FTS	58.4		"	68.4		85.3	25-150				
Surrogate: M9PFNA	60.5		"	71.4		84.8	25-150				



PFAS Target compounds by LC/MS-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 BC10765 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC10765-MS1)		Matrix Spike	*Source sample: 21C0501-02 (Matrix Spike)				Prepared: 03/12/2021 Analyzed: 03/15/2021				
Perfluorobutanesulfonic acid (PFBS)	58.0	1.87	ng/L	66.0	ND	87.8	25-150				
Perfluorohexanoic acid (PFHxA)	57.0	1.87	"	74.6	3.11	72.2	25-150				
Perfluoroheptanoic acid (PFHpA)	80.4	1.87	"	74.6	4.47	102	25-150				
Perfluorohexanesulfonic acid (PFHxS)	74.5	1.87	"	68.1	ND	109	25-150				
Perfluorooctanoic acid (PFOA)	62.3	1.87	"	74.6	12.0	67.5	25-150				
Perfluorooctanesulfonic acid (PFOS)	186	1.87	"	69.1	100	124	25-150				
Perfluorononanoic acid (PFNA)	46.9	1.87	"	74.6	ND	62.8	25-150				
Perfluorodecanoic acid (PFDA)	51.3	1.87	"	74.6	ND	68.8	25-150				
Perfluoroundecanoic acid (PFUnA)	56.7	1.87	"	74.6	ND	76.0	25-150				
Perfluorododecanoic acid (PFDoA)	57.0	1.87	"	74.6	ND	76.4	25-150				
Perfluorotridecanoic acid (PFTriDA)	43.8	1.87	"	74.6	ND	58.7	25-150				
Perfluorotetradecanoic acid (PFTA)	62.8	1.87	"	74.6	2.26	81.2	25-150				
N-MeFOSAA	60.4	1.87	"	74.6	ND	81.0	25-150				
N-EtFOSAA	54.9	1.87	"	74.6	ND	73.6	25-150				
Perfluoropentanoic acid (PFPeA)	65.4	1.87	"	74.6	2.73	84.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	67.5	1.87	"	74.6	ND	90.4	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.2	1.87	"	70.9	ND	92.0	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	74.0	1.87	"	72.0	ND	103	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	53.0	4.66	"	70.9	ND	74.7	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	55.7	1.87	"	71.6	ND	77.8	25-150				
Perfluoro-n-butanoic acid (PFBA)	68.1	1.87	"	74.6	3.28	86.9	25-150				
Surrogate: M3PFBS	92.3		"	69.3		133	25-150				
Surrogate: M5PFHxA	92.0		"	74.6		123	25-150				
Surrogate: M4PFHpA	57.1		"	74.6		76.6	25-150				
Surrogate: M3PFHxS	75.1		"	70.6		106	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	85.8		"	74.6		115	25-150				
Surrogate: M6PFDA	82.4		"	74.6		110	25-150				
Surrogate: M7PFUdA	76.6		"	74.6		103	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	74.6		"	74.6		99.9	25-150				
Surrogate: M2PFTeDA	64.3		"	74.6		86.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	112		"	74.6		151	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	70.5		"	71.4		98.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	96.6		"	74.6		129	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	29.3		"	74.6		39.3	10-150				
Surrogate: d3-N-MeFOSAA	52.3		"	74.6		70.1	25-150				
Surrogate: d5-N-EtFOSAA	55.2		"	74.6		74.0	25-150				
Surrogate: M2-6:2 FTS	76.7		"	70.8		108	25-150				
Surrogate: M2-8:2 FTS	93.0		"	71.5		130	25-150				
Surrogate: M9PFNA	77.4		"	74.6		104	25-150				



Organochlorine Pesticides by GC/ECD - 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 BC10571 - EPA 3550C

Blank (BC10571-BLK1)	Blank		Prepared: 03/10/2021 Analyzed: 03/11/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
<i>Surrogate: Decachlorobiphenyl</i>	0.0838		"	0.0664		126	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0769		"	0.0664		116	30-150				

LCS (BC10571-BS1)	LCS		Prepared: 03/10/2021 Analyzed: 03/11/2021								
4,4'-DDD	0.0386	0.00164	mg/kg wet	0.0332		116	40-140				
4,4'-DDE	0.0348	0.00164	"	0.0332		105	40-140				
4,4'-DDT	0.0198	0.00164	"	0.0332		59.5	40-140				
Aldrin	0.0339	0.00164	"	0.0332		102	40-140				
alpha-BHC	0.0306	0.00164	"	0.0332		92.1	40-140				
alpha-Chlordane	0.0321	0.00164	"	0.0332		96.7	40-140				
beta-BHC	0.0335	0.00164	"	0.0332		101	40-140				
delta-BHC	0.0316	0.00164	"	0.0332		95.2	40-140				
Dieldrin	0.0338	0.00164	"	0.0332		102	40-140				
Endosulfan I	0.0392	0.00164	"	0.0332		118	40-140				
Endosulfan II	0.0358	0.00164	"	0.0332		108	40-140				
Endosulfan sulfate	0.0343	0.00164	"	0.0332		103	40-140				
Endrin	0.0277	0.00164	"	0.0332		83.2	40-140				
Endrin aldehyde	0.0347	0.00164	"	0.0332		104	40-140				
Endrin ketone	0.0353	0.00164	"	0.0332		106	40-140				
gamma-BHC (Lindane)	0.0323	0.00164	"	0.0332		97.2	40-140				
gamma-Chlordane	0.0334	0.00164	"	0.0332		100	40-140				
Heptachlor	0.0313	0.00164	"	0.0332		94.4	40-140				
Heptachlor epoxide	0.0340	0.00164	"	0.0332		102	40-140				
Methoxychlor	0.0184	0.00164	"	0.0332		55.5	40-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0539		"	0.0664		81.1	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0441		"	0.0664		66.4	30-150				



Organochlorine Pesticides by GC/ECD - 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 Y0L0501 - BL00027

Performance Mix (Y0L0501-P Performance Mix						Prepared & Analyzed: 12/05/2020					
4,4'-DDD	4.16		ng/mL	0.00			0-200				
4,4'-DDE	1.04		"	0.00			0-200				
4,4'-DDT	182		"	200		91.2	0-200				
Endrin	97.9		"	100		97.9	0-200				
Endrin aldehyde	1.33		"	0.00			0-200				
Endrin ketone	2.35		"	0.00			0-200				

Batch Y1C1217 - BB11219

Performance Mix (Y1C1217-F Performance Mix						Prepared & Analyzed: 03/11/2021					
4,4'-DDD	2.56		ng/mL	0.00			0-200				
4,4'-DDE	2.51		"	0.00			0-200				
4,4'-DDT	175		"	200		87.3	0-200				
Endrin	118		"	100		118	0-200				
Endrin aldehyde	2.13		"	0.00			0-200				
Endrin ketone	13.4		"	0.00			0-200				

Batch Y1C1503 - BC10491

Performance Mix (Y1C1503-F Performance Mix						Prepared & Analyzed: 03/12/2021					
4,4'-DDD	3.06		ng/mL	0.00			0-200				
4,4'-DDE	2.44		"	0.00			0-200				
4,4'-DDT	176		"	200		88.2	0-200				
Endrin	127		"	100		127	0-200				
Endrin aldehyde	1.85		"	0.00			0-200				
Endrin ketone	15.9		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BC10571 - EPA 3550C											
Blank (BC10571-BLK2)		Blank		Prepared & Analyzed: 03/10/2021							
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0645		"	0.0664		97.0	30-120				
Surrogate: Decachlorobiphenyl	0.0495		"	0.0664		74.5	30-120				
LCS (BC10571-BS2)		LCS		Prepared & Analyzed: 03/10/2021							
Aroclor 1016	0.316	0.0166	mg/kg wet	0.332		95.2	40-130				
Aroclor 1260	0.323	0.0166	"	0.332		97.3	40-130				
Surrogate: Tetrachloro-m-xylene	0.0635		"	0.0664		95.5	30-120				
Surrogate: Decachlorobiphenyl	0.0502		"	0.0664		75.5	30-120				
Matrix Spike (BC10571-MS2)		Matrix Spike		*Source sample: 21C0404-05 (SB08_0-0.5_030821)		Prepared: 03/10/2021 Analyzed: 03/11/2021					
Aroclor 1016	0.160	0.0189	mg/kg dry	0.378	ND	42.2	40-140				
Aroclor 1260	0.218	0.0189	"	0.378	ND	57.8	40-140				
Surrogate: Tetrachloro-m-xylene	0.0480		"	0.0756		63.5	30-120				
Surrogate: Decachlorobiphenyl	0.0367		"	0.0756		48.5	30-120				
Matrix Spike Dup (BC10571-1)		Matrix Spike Dup		*Source sample: 21C0404-05 (SB08_0-0.5_030821)		Prepared: 03/10/2021 Analyzed: 03/11/2021					
Aroclor 1016	0.164	0.0189	mg/kg dry	0.378	ND	43.5	40-140	2.99	50		
Aroclor 1260	0.217	0.0189	"	0.378	ND	57.3	40-140	0.730	50		
Surrogate: Tetrachloro-m-xylene	0.0476		"	0.0756		63.0	30-120				
Surrogate: Decachlorobiphenyl	0.0359		"	0.0756		47.5	30-120				



Polychlorinated Biphenyls by GC/ECD - 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 Y1C1043 - BC10607

Aroclor Reference (Y1C1043-) Aroclor Reference

Prepared & Analyzed: 03/10/2021

Surrogate: Tetrachloro-m-xylene	0.196		ug/mL	0.200		98.0					
Surrogate: Decachlorobiphenyl	0.166		"	0.200		83.0					



Chlorinated Herbicides by GC/ECD - 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 BC10726 - EPA 3550C/8151A

Blank (BC10726-BLK1)	Blank								Prepared & Analyzed: 03/12/2021		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.272		"	0.415		65.4	21-150				

LCS (BC10726-BS1)	LCS								Prepared & Analyzed: 03/12/2021		
2,4,5-T	0.0556	0.0199	mg/kg wet	0.133		41.9	10-120				
2,4,5-TP (Silvex)	0.0689	0.0199	"	0.133		51.9	10-120				
2,4-D	0.0631	0.0199	"	0.133		47.5	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.299		"	0.415		72.0	21-150				

Matrix Spike (BC10726-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)							Prepared & Analyzed: 03/12/2021		
2,4,5-T	0.0397	0.0227	mg/kg dry	0.151	ND	26.3	10-120				
2,4,5-TP (Silvex)	0.0435	0.0227	"	0.151	ND	28.8	10-120				
2,4-D	0.0435	0.0227	"	0.151	ND	28.8	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.185		"	0.472		39.2	21-150				

Matrix Spike Dup (BC10726-MS1)	Matrix Spike Dup	*Source sample: 21C0404-05 (SB08_0-0.5_030821)							Prepared & Analyzed: 03/12/2021		
2,4,5-T	0.0397	0.0227	mg/kg dry	0.151	ND	26.3	10-120	0.00	35		
2,4,5-TP (Silvex)	0.0435	0.0227	"	0.151	ND	28.8	10-120	0.00	35		
2,4-D	0.0454	0.0227	"	0.151	ND	30.0	10-118	4.26	35		

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.184		"	0.472		39.0	21-150				

Batch BC10819 - EPA 3550C/8151A

Blank (BC10819-BLK1)	Blank								Prepared & Analyzed: 03/15/2021		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.341		"	0.415		82.0	21-150				



Chlorinated Herbicides by GC/ECD - 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 BC10819 - EPA 3550C/8151A

LCS (BC10819-BS1)	LCS								Prepared & Analyzed: 03/15/2021		
2,4,5-T	0.0814	0.0199	mg/kg wet	0.133		61.2	10-120				
2,4,5-TP (Silvex)	0.0963	0.0199	"	0.133		72.5	10-120				
2,4-D	0.0880	0.0199	"	0.133		66.2	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.419		"	0.415		101	21-150				

Matrix Spike (BC10819-MS1)	Matrix Spike	*Source sample: 21C0419-02 (Matrix Spike)					Prepared & Analyzed: 03/15/2021				
2,4,5-T	ND	0.0201	mg/kg dry	0.134	ND		10-120	Low Bias			
2,4,5-TP (Silvex)	ND	0.0201	"	0.134	ND		10-120	Low Bias			
2,4-D	ND	0.0201	"	0.134	ND		10-118	Low Bias			

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.138		"	0.419		33.0	21-150				

Matrix Spike Dup (BC10819-1)	Matrix Spike Dup	*Source sample: 21C0419-02 (Matrix Spike Dup)					Prepared & Analyzed: 03/15/2021				
2,4,5-T	ND	0.0201	mg/kg dry	0.134	ND		10-120	Low Bias		35	
2,4,5-TP (Silvex)	ND	0.0201	"	0.134	ND		10-120	Low Bias		35	
2,4-D	ND	0.0201	"	0.134	ND		10-118	Low Bias		35	

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.112		"	0.419		26.8	21-150				



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

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

Batch BC10633 - EPA 3050B

Blank (BC10633-BLK1)	Blank										Prepared: 03/10/2021 Analyzed: 03/15/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	ND	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	11.2	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	ND	2.50	"									

Duplicate (BC10633-DUP1)	Duplicate										Prepared: 03/10/2021 Analyzed: 03/15/2021	
Aluminum	8880	5.69	mg/kg dry		9140				2.90	35		
Antimony	ND	2.84	"		ND					35		
Arsenic	12.6	1.71	"		12.7				0.638	35		
Barium	174	2.84	"		195				11.0	35		
Beryllium	ND	0.057	"		ND					35		
Cadmium	0.632	0.341	"		0.682				7.52	35		
Calcium	103000	5.69	"		98500				4.03	35		
Chromium	48.1	0.569	"		43.6				9.67	35		
Cobalt	6.26	0.455	"		6.48				3.47	35		
Copper	31.6	2.28	"		33.7				6.51	35		
Iron	13200	28.4	"		19900				40.1	35		Non-dir.
Lead	23.2	0.569	"		21.9				5.93	35		
Magnesium	12000	5.69	"		10100				17.0	35		
Manganese	229	0.569	"		260				12.6	35		
Nickel	23.2	1.14	"		22.2				4.38	35		
Potassium	1270	5.69	"		1250				1.95	35		
Selenium	ND	2.84	"		ND					35		
Silver	ND	0.569	"		ND					35		
Sodium	270	56.9	"		240				11.4	35		
Thallium	ND	2.84	"		ND					35		
Vanadium	21.5	1.14	"		23.4				8.43	35		
Zinc	148	2.84	"		205				31.9	35		



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

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

Batch BC10633 - EPA 3050B

Matrix Spike (BC10633-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)						Prepared: 03/10/2021 Analyzed: 03/15/2021			
Aluminum	9920	5.69	mg/kg dry	228	9140	343	75-125	High Bias			
Antimony	ND	2.84	"	28.4	ND		75-125	Low Bias			
Arsenic	269	1.71	"	228	12.7	113	75-125				
Barium	411	2.84	"	228	195	95.1	75-125				
Beryllium	4.79	0.057	"	5.69	ND	84.2	75-125				
Cadmium	6.53	0.341	"	5.69	0.682	103	75-125				
Calcium	108000	5.69	"	114	98500	NR	75-125	High Bias			
Chromium	75.7	0.569	"	22.8	43.6	141	75-125	High Bias			
Cobalt	65.4	0.455	"	56.9	6.48	104	75-125				
Copper	64.1	2.28	"	28.4	33.7	107	75-125				
Iron	15700	28.4	"	114	19900	NR	75-125	Low Bias			
Lead	87.3	0.569	"	56.9	21.9	115	75-125				
Magnesium	12700	5.69	"	114	10100	NR	75-125	High Bias			
Manganese	352	0.569	"	56.9	260	160	75-125	High Bias			
Nickel	92.9	1.14	"	56.9	22.2	124	75-125				
Potassium	1370	5.69	"	114	1250	114	75-125				
Selenium	226	2.84	"	228	ND	99.3	75-125				
Silver	4.66	0.569	"	5.69	ND	82.0	75-125				
Sodium	379	56.9	"	114	240	122	75-125				
Thallium	226	2.84	"	228	ND	99.5	75-125				
Vanadium	83.1	1.14	"	56.9	23.4	105	75-125				
Zinc	241	2.84	"	56.9	205	64.2	75-125	Low Bias			

Post Spike (BC10633-PS1)	Post Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)						Prepared: 03/10/2021 Analyzed: 03/15/2021			
Aluminum	84.2		ug/mL	2.00	80.4	190	75-125	High Bias			
Antimony	0.285		"	0.250	-0.023	114	75-125				
Arsenic	2.39		"	2.00	0.112	114	75-125				
Barium	3.85		"	2.00	1.71	107	75-125				
Beryllium	0.042		"	0.0500	-0.012	84.3	75-125				
Cadmium	0.059		"	0.0500	0.006	106	75-125				
Calcium	889		"	1.00	866	NR	75-125	High Bias			
Chromium	0.588		"	0.200	0.383	102	75-125				
Cobalt	0.585		"	0.500	0.057	106	75-125				
Copper	0.563		"	0.250	0.296	107	75-125				
Iron	179		"	1.00	175	458	75-125	High Bias			
Lead	0.740		"	0.500	0.192	109	75-125				
Magnesium	92.3		"	1.00	89.0	336	75-125	High Bias			
Manganese	2.88		"	0.500	2.29	118	75-125				
Nickel	0.775		"	0.500	0.195	116	75-125				
Potassium	12.2		"	1.00	11.0	123	75-125				
Selenium	2.01		"	2.00	-0.081	100	75-125				
Silver	-0.000007		"	0.0500	-0.021		75-125	Low Bias			
Sodium	3.26		"	1.00	2.11	114	75-125				
Thallium	2.05		"	2.00	-0.076	103	75-125				
Vanadium	0.732		"	0.500	0.206	105	75-125				
Zinc	2.31		"	0.500	1.80	103	75-125				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

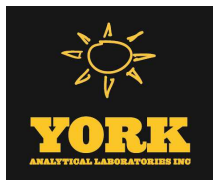
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC10633 - EPA 3050B

Reference (BC10633-SRM1)	Reference	Prepared: 03/10/2021 Analyzed: 03/15/2021									
Aluminum	9560	5.00	mg/kg wet	8190		117	50.5-150.1				
Antimony	74.3	2.50	"	110		67.5	19-251.7				
Arsenic	175	1.50	"	162		108	70.1-129.8				
Barium	149	2.50	"	138		108	75-125				
Beryllium	165	0.050	"	157		105	75-125.2				
Cadmium	142	0.300	"	135		105	74.8-125.2				
Calcium	4990	5.00	"	4790		104	72.7-127.5				
Chromium	118	0.500	"	117		101	70.1-129.9				
Cobalt	102	0.400	"	92.6		110	75-125				
Copper	148	2.00	"	143		103	75.3-125.3				
Iron	15400	25.0	"	15100		102	35.8-164.6				
Lead	80.8	0.500	"	77.6		104	70-130				
Magnesium	2510	5.00	"	2320		108	61.7-137.8				
Manganese	352	0.500	"	319		110	78.1-122				
Nickel	95.5	1.00	"	79.9		120	70.1-130.1				
Potassium	2340	5.00	"	2050		114	59.1-140.9				
Selenium	156	2.50	"	172		90.7	55.7-144.5				
Silver	24.2	0.500	"	24.7		98.2	69.2-130.8				
Sodium	121	50.0	"	137		88.4	36.1-163.3				
Thallium	88.3	2.50	"	88.0		100	65.3-146.8				
Vanadium	102	1.00	"	99.9		102	67-133.1				
Zinc	321	2.50	"	312		103	69.9-130.1				

Batch BC10693 - EPA 3050B

Blank (BC10693-BLK1)	Blank	Prepared: 03/11/2021 Analyzed: 03/12/2021									
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	9.74	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								



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

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

Batch BC10693 - EPA 3050B

Duplicate (BC10693-DUP1)	Duplicate	*Source sample: 21B0935-49 (Duplicate)				Prepared: 03/11/2021 Analyzed: 03/16/2021					
Aluminum	18900	5.78	mg/kg dry	17200		9.36	35				
Antimony	ND	2.89	"	ND			35				
Arsenic	12.3	1.74	"	12.2		1.14	35				
Barium	149	2.89	"	123		19.5	35				
Beryllium	0.850	0.058	"	0.690		20.7	35				
Cadmium	0.832	0.347	"	0.757		9.54	35				
Calcium	2340	5.78	"	1940		18.9	35				
Chromium	29.0	0.578	"	26.5		9.31	35				
Cobalt	18.6	0.463	"	12.2		41.3	35				Non-dir.
Copper	64.4	2.31	"	50.8		23.5	35				
Iron	38500	28.9	"	35300		8.77	35				
Lead	375	0.578	"	331		12.3	35				
Magnesium	8240	5.78	"	7880		4.53	35				
Manganese	845	0.578	"	572		38.6	35				Non-dir.
Nickel	40.7	1.16	"	34.4		16.7	35				
Potassium	1800	5.78	"	1830		1.59	35				
Selenium	ND	2.89	"	ND			35				
Silver	0.791	0.578	"	ND			35				
Sodium	ND	57.8	"	ND			35				
Thallium	ND	2.89	"	ND			35				
Vanadium	32.6	1.16	"	30.6		6.35	35				
Zinc	230	2.89	"	210		8.76	35				

Matrix Spike (BC10693-MS1)	Matrix Spike	*Source sample: 21B0935-49 (Matrix Spike)				Prepared: 03/11/2021 Analyzed: 03/16/2021					
Aluminum	18200	5.78	mg/kg dry	231	17200	393	75-125	High Bias			
Antimony	9.11	2.89	"	28.9	ND	31.5	75-125	Low Bias			
Arsenic	237	1.74	"	231	12.2	97.2	75-125				
Barium	399	2.89	"	231	123	119	75-125				
Beryllium	6.31	0.058	"	5.78	0.690	97.1	75-125				
Cadmium	6.45	0.347	"	5.78	0.757	98.5	75-125				
Calcium	2390	5.78	"	116	1940	394	75-125	High Bias			
Chromium	49.0	0.578	"	23.1	26.5	97.4	75-125				
Cobalt	74.9	0.463	"	57.8	12.2	108	75-125				
Copper	89.3	2.31	"	28.9	50.8	133	75-125	High Bias			
Iron	31600	28.9	"	116	35300	NR	75-125	Low Bias			
Lead	522	0.578	"	57.8	331	330	75-125	High Bias			
Magnesium	6890	5.78	"	116	7880	NR	75-125	Low Bias			
Manganese	888	0.578	"	57.8	572	546	75-125	High Bias			
Nickel	92.8	1.16	"	57.8	34.4	101	75-125				
Potassium	2730	5.78	"	116	1830	778	75-125	High Bias			
Selenium	187	2.89	"	231	ND	80.6	75-125				
Silver	6.44	0.578	"	5.78	ND	111	75-125				
Sodium	136	57.8	"	116	ND	118	75-125				
Thallium	224	2.89	"	231	ND	96.8	75-125				
Vanadium	88.6	1.16	"	57.8	30.6	100	75-125				
Zinc	292	2.89	"	57.8	210	142	75-125	High Bias			



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

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

Batch BC10693 - EPA 3050B

Post Spike (BC10693-PS1)	Post Spike	*Source sample: 21B0935-49 (Post Spike)					Prepared: 03/11/2021 Analyzed: 03/16/2021				
Aluminum	153		ug/mL	2.00	149	187	75-125	High Bias			
Antimony	0.311		"	0.250	0.0007	124	75-125				
Arsenic	2.27		"	2.00	0.105	108	75-125				
Barium	3.20		"	2.00	1.06	107	75-125				
Beryllium	0.058		"	0.0500	0.006	105	75-125				
Cadmium	0.060		"	0.0500	0.007	107	75-125				
Calcium	18.2		"	1.00	16.8	144	75-125	High Bias			
Chromium	0.430		"	0.200	0.229	101	75-125				
Cobalt	0.639		"	0.500	0.106	107	75-125				
Copper	0.697		"	0.250	0.439	103	75-125				
Iron	308		"	1.00	305	329	75-125	High Bias			
Lead	3.37		"	0.500	2.86	102	75-125				
Magnesium	69.7		"	1.00	68.1	157	75-125	High Bias			
Manganese	5.51		"	0.500	4.95	114	75-125				
Nickel	0.838		"	0.500	0.298	108	75-125				
Potassium	17.2		"	1.00	15.8	143	75-125	High Bias			
Selenium	1.79		"	2.00	-0.216	89.3	75-125				
Silver	0.025		"	0.0500	0.005	41.5	75-125	Low Bias			
Sodium	1.15		"	1.00	0.335	81.4	75-125				
Thallium	2.18		"	2.00	-0.014	109	75-125				
Vanadium	0.787		"	0.500	0.264	105	75-125				
Zinc	2.31		"	0.500	1.82	97.2	75-125				

Reference (BC10693-SRM1)	Reference	Prepared: 03/11/2021 Analyzed: 03/12/2021									
Aluminum	8020	5.00	mg/kg wet	8190		97.9	50.5-150.1				
Antimony	62.1	2.50	"	110		56.5	19-251.7				
Arsenic	146	1.50	"	162		90.4	70.1-129.8				
Barium	128	2.50	"	138		92.9	75-125				
Beryllium	140	0.050	"	157		89.3	75-125.2				
Cadmium	125	0.300	"	135		92.5	74.8-125.2				
Calcium	4250	5.00	"	4790		88.8	72.7-127.5				
Chromium	105	0.500	"	117		90.0	70.1-129.9				
Cobalt	86.1	0.400	"	92.6		93.0	75-125				
Copper	130	2.00	"	143		90.7	75.3-125.3				
Iron	12500	25.0	"	15100		82.6	35.8-164.6				
Lead	65.4	0.500	"	77.6		84.2	70-130				
Magnesium	2120	5.00	"	2320		91.2	61.7-137.8				
Manganese	289	0.500	"	319		90.5	78.1-122				
Nickel	79.8	1.00	"	79.9		99.9	70.1-130.1				
Potassium	2030	5.00	"	2050		99.0	59.1-140.9				
Selenium	133	2.50	"	172		77.2	55.7-144.5				
Silver	20.9	0.500	"	24.7		84.7	69.2-130.8				
Sodium	118	50.0	"	137		86.3	36.1-163.3				
Thallium	78.1	2.50	"	88.0		88.7	65.3-146.8				
Vanadium	88.2	1.00	"	99.9		88.3	67-133.1				
Zinc	277	2.50	"	312		88.6	69.9-130.1				



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

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

Batch BC10788 - EPA 3050B

Blank (BC10788-BLK1)	Blank										Prepared: 03/12/2021 Analyzed: 03/15/2021
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	7.88	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Duplicate (BC10788-DUP1)	Duplicate										Prepared: 03/12/2021 Analyzed: 03/16/2021
	*Source sample: 21C0524-01 (Duplicate)										
Aluminum	5120	5.37	mg/kg dry		5310				3.65	35	
Antimony	ND	2.69	"		ND					35	
Arsenic	ND	1.61	"		ND					35	
Barium	43.9	2.69	"		48.3				9.56	35	
Beryllium	ND	0.054	"		ND					35	
Cadmium	ND	0.322	"		ND					35	
Calcium	2230	5.37	"		1970				12.3	35	
Chromium	10.6	0.537	"		10.5				0.629	35	
Cobalt	5.62	0.430	"		5.35				4.91	35	
Copper	14.4	2.15	"		13.9				3.41	35	
Iron	8910	26.9	"		8330				6.71	35	
Lead	6.95	0.537	"		1.85				116	35	Non-dir.
Magnesium	2290	5.37	"		1870				20.6	35	
Manganese	96.6	0.537	"		84.7				13.2	35	
Nickel	14.6	1.07	"		12.7				14.0	35	
Potassium	1130	5.37	"		1190				5.22	35	
Selenium	ND	2.69	"		ND					35	
Silver	ND	0.537	"		ND					35	
Sodium	128	53.7	"		120				6.76	35	
Thallium	ND	2.69	"		ND					35	
Vanadium	14.5	1.07	"		16.4				12.6	35	
Zinc	65.8	2.69	"		76.3				14.9	35	



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

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

Batch BC10788 - EPA 3050B

Matrix Spike (BC10788-MS1)	Matrix Spike	*Source sample: 21C0524-01 (Matrix Spike)						Prepared: 03/12/2021 Analyzed: 03/16/2021			
Aluminum	5610	5.37	mg/kg dry	215	5310	141	75-125	High Bias			
Antimony	6.46	2.69	"	26.9	ND	24.0	75-125	Low Bias			
Arsenic	210	1.61	"	215	ND	97.8	75-125				
Barium	263	2.69	"	215	48.3	100	75-125				
Beryllium	3.93	0.054	"	5.37	ND	73.2	75-125	Low Bias			
Cadmium	5.38	0.322	"	5.37	ND	100	75-125				
Calcium	2690	5.37	"	107	1970	667	75-125	High Bias			
Chromium	32.3	0.537	"	21.5	10.5	102	75-125				
Cobalt	58.9	0.430	"	53.7	5.35	99.6	75-125				
Copper	40.5	2.15	"	26.9	13.9	98.9	75-125				
Iron	9070	26.9	"	107	8330	687	75-125	High Bias			
Lead	62.3	0.537	"	53.7	1.85	112	75-125				
Magnesium	2410	5.37	"	107	1870	504	75-125	High Bias			
Manganese	155	0.537	"	53.7	84.7	131	75-125	High Bias			
Nickel	67.9	1.07	"	53.7	12.7	103	75-125				
Potassium	1420	5.37	"	107	1190	209	75-125	High Bias			
Selenium	189	2.69	"	215	ND	87.7	75-125				
Silver	2.58	0.537	"	5.37	ND	48.0	75-125	Low Bias			
Sodium	202	53.7	"	107	120	76.6	75-125				
Thallium	209	2.69	"	215	ND	97.4	75-125				
Vanadium	67.9	1.07	"	53.7	16.4	95.7	75-125				
Zinc	117	2.69	"	53.7	76.3	75.5	75-125				

Post Spike (BC10788-PS1)	Post Spike	*Source sample: 21C0524-01 (Post Spike)						Prepared: 03/12/2021 Analyzed: 03/16/2021			
Aluminum	50.1		ug/mL	2.00	49.4	35.8	75-125	Low Bias			
Antimony	0.290		"	0.250	-0.018	116	75-125				
Arsenic	2.21		"	2.00	0.012	110	75-125				
Barium	2.63		"	2.00	0.449	109	75-125				
Beryllium	0.042		"	0.0500	-0.012	83.2	75-125				
Cadmium	0.055		"	0.0500	0.0009	109	75-125				
Calcium	19.0		"	1.00	18.3	66.4	75-125	Low Bias			
Chromium	0.305		"	0.200	0.098	104	75-125				
Cobalt	0.600		"	0.500	0.050	110	75-125				
Copper	0.396		"	0.250	0.130	107	75-125				
Iron	76.6		"	1.00	77.5	NR	75-125	Low Bias			
Lead	0.592		"	0.500	0.017	115	75-125				
Magnesium	18.0		"	1.00	17.4	60.2	75-125	Low Bias			
Manganese	1.33		"	0.500	0.788	109	75-125				
Nickel	0.684		"	0.500	0.118	113	75-125				
Potassium	11.9		"	1.00	11.1	83.3	75-125				
Selenium	2.00		"	2.00	-0.052	99.8	75-125				
Silver	-0.007		"	0.0500	-0.026		75-125	Low Bias			
Sodium	2.10		"	1.00	1.12	98.1	75-125				
Thallium	2.21		"	2.00	-0.053	111	75-125				
Vanadium	0.683		"	0.500	0.153	106	75-125				
Zinc	1.23		"	0.500	0.710	103	75-125				



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

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

Batch BC10788 - EPA 3050B

Reference (BC10788-SRM1)	Reference	Prepared: 03/12/2021 Analyzed: 03/15/2021									
Aluminum	9430	5.00	mg/kg wet	8190		115	50.5-150.1				
Antimony	72.0	2.50	"	110		65.5	19-251.7				
Arsenic	178	1.50	"	162		110	70.1-129.8				
Barium	151	2.50	"	138		109	75-125				
Beryllium	171	0.050	"	157		109	75-125.2				
Cadmium	149	0.300	"	135		110	74.8-125.2				
Calcium	4950	5.00	"	4790		103	72.7-127.5				
Chromium	126	0.500	"	117		108	70.1-129.9				
Cobalt	103	0.400	"	92.6		111	75-125				
Copper	158	2.00	"	143		110	75.3-125.3				
Iron	14800	25.0	"	15100		98.2	35.8-164.6				
Lead	78.1	0.500	"	77.6		101	70-130				
Magnesium	2530	5.00	"	2320		109	61.7-137.8				
Manganese	338	0.500	"	319		106	78.1-122				
Nickel	97.2	1.00	"	79.9		122	70.1-130.1				
Potassium	2360	5.00	"	2050		115	59.1-140.9				
Selenium	161	2.50	"	172		93.9	55.7-144.5				
Silver	24.8	0.500	"	24.7		100	69.2-130.8				
Sodium	131	50.0	"	137		95.5	36.1-163.3				
Thallium	93.4	2.50	"	88.0		106	65.3-146.8				
Vanadium	105	1.00	"	99.9		105	67-133.1				
Zinc	334	2.50	"	312		107	69.9-130.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BC10864 - EPA 7473 soil											
Blank (BC10864-BLK1)	Blank								Prepared & Analyzed: 03/15/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC10864-DUP1)	Duplicate	*Source sample: 21C0404-05 (SB08_0-0.5_030821)							Prepared & Analyzed: 03/15/2021		
Mercury	ND	0.0341	mg/kg dry			0.0365	35				
Matrix Spike (BC10864-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)							Prepared & Analyzed: 03/15/2021		
Mercury	0.485		mg/kg	0.500	0.0321	90.6	75-125				
Reference (BC10864-SRM1)	Reference								Prepared & Analyzed: 03/15/2021		
Mercury	27.680		mg/kg	27.2		102	59.9-140.1				



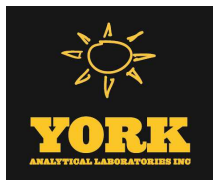
Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10589 - EPA SW846-3060											
Blank (BC10589-BLK1)	Blank								Prepared & Analyzed: 03/10/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BC10589-DUP1)	Duplicate	*Source sample: 21C0404-04 (SB08_0.5-2_030821)							Prepared & Analyzed: 03/10/2021		
Chromium, Hexavalent	ND	0.530	mg/kg dry		ND					35	
Matrix Spike (BC10589-MS1)	Matrix Spike	*Source sample: 21C0404-04 (SB08_0.5-2_030821)							Prepared & Analyzed: 03/10/2021		
Chromium, Hexavalent	ND	0.530	mg/kg dry	21.2	ND		75-125	Low Bias			
Matrix Spike Dup (BC10589-MS1)	Matrix Spike Dup	*Source sample: 21C0404-04 (SB08_0.5-2_030821)							Prepared & Analyzed: 03/10/2021		
Chromium, Hexavalent	ND	0.530	mg/kg dry	21.2	ND		75-125	Low Bias		200	
Reference (BC10589-SRM1)	Reference								Prepared & Analyzed: 03/10/2021		
Chromium, Hexavalent	41.2		mg/L	109		37.8	30-169.7				
Batch BC10593 - Analysis Preparation Soil											
Blank (BC10593-BLK1)	Blank								Prepared & Analyzed: 03/10/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BC10593-DUP1)	Duplicate	*Source sample: 21C0404-05 (SB08_0-0.5_030821)							Prepared & Analyzed: 03/10/2021		
Cyanide, total	ND	0.569	mg/kg dry		ND					15	
Matrix Spike (BC10593-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)							Prepared & Analyzed: 03/10/2021		
Cyanide, total	4.94	0.569	mg/kg dry	11.4	ND	43.4	79.6-107	Low Bias			
Reference (BC10593-SRM1)	Reference								Prepared & Analyzed: 03/10/2021		
Cyanide, total	96.4		ug/mL	91.9		105	42.22-159.96				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10651 - EPA SW846-3060											
Blank (BC10651-BLK1)	Blank								Prepared & Analyzed: 03/11/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BC10651-DUP1)	Duplicate	*Source sample: 21C0404-05 (SB08_0-0.5_030821)						Prepared & Analyzed: 03/11/2021			
Chromium, Hexavalent	ND	0.569	mg/kg dry		0.728						35
Matrix Spike (BC10651-MS1)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)						Prepared & Analyzed: 03/11/2021			
Chromium, Hexavalent	15.7	0.569	mg/kg dry	22.8	0.728	65.8	75-125	Low Bias			
Matrix Spike (BC10651-MS2)	Matrix Spike	*Source sample: 21C0404-05 (SB08_0-0.5_030821)						Prepared & Analyzed: 03/11/2021			
Chromium, Hexavalent	12.6	0.569	mg/kg dry	22.8	0.728	52.4	75-125	Low Bias			
Reference (BC10651-SRM1)	Reference								Prepared & Analyzed: 03/11/2021		
Chromium, Hexavalent	89.9		mg/L	109		82.5	30-169.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10587 - % Solids Prep

Duplicate (BC10587-DUP1)	Duplicate	*Source sample: 21C0404-05 (SB08_0-0.5_030821)					Prepared & Analyzed: 03/10/2021		
% Solids		84.7	0.100	%		87.9		3.75	20

Batch BC10675 - % Solids Prep

Duplicate (BC10675-DUP1)	Duplicate	*Source sample: 21C0525-12 (Duplicate)					Prepared: 03/11/2021 Analyzed: 03/12/2021		
% Solids		90.1	0.100	%		90.0		0.213	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0404-03	SB08_8-10_030821	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0404-04	SB08_0.5-2_030821	40mL 01_Clear Vial Cool to 4° C
21C0404-05	SB08_0-0.5_030821	40mL Vial with Stir Bar-Cool 4° C
21C0404-07	SB05_0-2_030821	40mL Vial with Stir Bar-Cool 4° C
21C0404-08	SB05_8-10_030821	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0404-09	SB02_0-0.5_030821	40mL Vial with Stir Bar-Cool 4° C
21C0404-10	SB02_6-8_030821	40mL Vial with Stir Bar-Cool 4° C
21C0404-11	SB02_0.5-2_030821	40mL Vial with Stir Bar-Cool 4° C
21C0404-13	SODUP02_030821	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
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).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
IS-01	This internal standard did not meet acceptance criteria. The sample was reanalyzed to confirm matrix interference.
IS-HI	The internal std associated with this target compound did not meet acceptance criteria (area >200% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-CRL	The RL check for this element recovered outside of control limits.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
VOA-CONT	Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
M-SRD1	The serial dilution for this element was outside control limits.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.
S-08	The recovery of this surrogate was outside of QC limits.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

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.

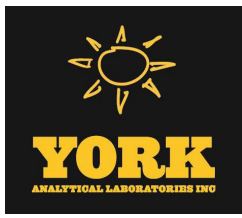
Field Chain-of-Custody Record

YORK Project No.

210404

This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

Page 2 of 2[illegible]



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 05/13/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0454

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 05/13/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0454

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 09, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0454-01	EC_FB06_030921	Water	03/09/2021	03/09/2021
21C0454-02	SB04A_28-30	Soil	03/09/2021	03/09/2021
21C0454-03	SB10_58-60	Soil	03/09/2021	03/09/2021
21C0454-04	SB10_0-2	Soil	03/09/2021	03/09/2021
21C0454-05	SB10_13-15	Soil	03/09/2021	03/09/2021
21C0454-06	SB10_22-24	Soil	03/09/2021	03/09/2021

General Notes for York Project (SDG) No.: 21C0454

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: 05/13/2021





Sample Information

Client Sample ID: EC_FB06_030921

York Sample ID: 21C0454-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Water

March 9, 2021 3:25 pm

03/09/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.50	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.00	1	EPA 537m Certifications:	03/12/2021 12:16	03/15/2021 20:48	WL



Sample Information

Client Sample ID: EC_FB06_030921

York Sample ID: 21C0454-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Water

March 9, 2021 3:25 pm

03/09/2021

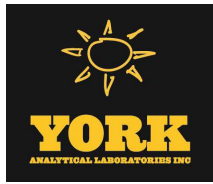
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.00	1	EPA 537m	03/12/2021 12:16	03/15/2021 20:48	WL
Certifications:										
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		125 %	25-150							
Surrogate: M5PFHxA		118 %	25-150							
Surrogate: M4PFHpA		91.7 %	25-150							
Surrogate: M3PFHxS		99.2 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		120 %	25-150							
Surrogate: M6PFDA		127 %	25-150							
Surrogate: M7PFUdA		114 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		112 %	25-150							
Surrogate: M2PFTeDA		82.6 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		125 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		104 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic a		120 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		64.7 %	10-150							
Surrogate: d3-N-MeFOSAA		62.9 %	25-150							
Surrogate: d5-N-EtFOSAA		94.3 %	25-150							
Surrogate: M2-6:2 FTS		91.1 %	25-150							
Surrogate: M2-8:2 FTS		130 %	25-150							
Surrogate: M9PFNA		119 %	25-150							



Sample Information

Client Sample ID: SB04A_28-30

York Sample ID: 21C0454-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:05 pm

03/09/2021

Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	0.00	GC-90	ID only		10	EPA 8015D Certifications:	03/12/2021 13:11	03/15/2021 13:08	SGM



Sample Information

Client Sample ID: SB10_58-60

York Sample ID: 21C0454-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:00 pm

03/09/2021

Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	0.00	GC-90	ID only		10	EPA 8015D Certifications:	03/12/2021 13:11	03/15/2021 13:38	SGM



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:10 pm

03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 06:47	03/15/2021 20:26	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 06:47	03/15/2021 20:26	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.072	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
78-93-3	2-Butanone	0.013	B, J	mg/kg dry	0.0036	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:10 pm

Date Received
03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
67-64-1	Acetone	0.013	CCV-E, ICV-E, J	mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
74-83-9	Bromomethane	0.0036	J	mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
74-87-3	Chloromethane	0.0054	J	mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:10 pm

03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-09-2	Methylene chloride	0.011	J	mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
100-42-5	Styrene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:10 pm

03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 20:26	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 06:47	03/15/2021 20:26	MD
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	98.2 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:10 pm

Date Received
03/09/2021

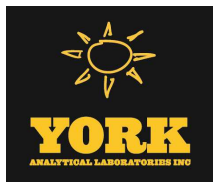
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	0.0987		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
83-32-9	Acenaphthene	0.341		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
208-96-8	Acenaphthylene	0.154		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
120-12-7	Anthracene	0.380		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:10 pm

03/09/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	0.702		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
50-32-8	Benzo(a)pyrene	0.571		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
205-99-2	Benzo(b)fluoranthene	0.371		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
191-24-2	Benzo(g,h,i)perylene	0.366		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
207-08-9	Benzo(k)fluoranthene	0.432		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
117-81-7	Bis(2-ethylhexyl)phthalate	0.0594	J	mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
105-60-2	Caprolactam	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
86-74-8	Carbazole	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
218-01-9	Chrysene	0.727		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
53-70-3	Dibenzo(a,h)anthracene	0.0994		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
122-39-4	Diphenylamine	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:10 pm

Date Received
03/09/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	1.28		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
86-73-7	Fluorene	0.0558	J	mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
193-39-5	Indeno(1,2,3-cd)pyrene	0.273		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
91-20-3	Naphthalene	0.0808	J	mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
85-01-8	Phenanthrene	0.459		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
129-00-0	Pyrene	1.64		mg/kg dry	0.0448	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 17:37	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	53.1 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	53.7 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	57.2 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.4 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	45.6 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.6 %	24-116								



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:10 pm

Date Received
03/09/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.71	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 17:57	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %		39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.
21C0454

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March 9, 2021 3:10 pm

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.523	1	EPA 537m Certifications:	03/10/2021 11:59	03/12/2021 23:43	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		96.6 %	25-150							
Surrogate: M5PFHxA		91.4 %	25-150							
Surrogate: M4PFHpA		64.2 %	25-150							
Surrogate: M3PFHxS		78.3 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		90.4 %	25-150							
Surrogate: M6PFDA		90.9 %	25-150							
Surrogate: M7PFUdA		82.5 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		91.8 %	25-150							
Surrogate: M2PFTeDA		82.5 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		103 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		70.5 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		93.6 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfor		66.3 %	10-150							
Surrogate: d3-N-MeFOSAA		43.0 %	25-150							
Surrogate: d5-N-EtFOSAA		51.8 %	25-150							
Surrogate: M2-6:2 FTS		70.4 %	25-150							
Surrogate: M2-8:2 FTS		104 %	25-150							
Surrogate: M9PFNA		106 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:10 pm

03/09/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2021 13:56	03/16/2021 10:37	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2021 13:56	03/16/2021 10:37	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
72-20-8	Endrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2021 13:56	03/16/2021 10:37	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:37	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0346	5	EPA 8081B Certifications:	03/15/2021 13:56	03/16/2021 10:37	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	79.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.7 %	30-150							



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:10 pm

Date Received
03/09/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:22	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications:	03/15/2021 13:56	03/16/2021 12:22	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	56.5 %								

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0214	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 11:13	03/16/2021 15:18	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0214	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 11:13	03/16/2021 15:18	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0214	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 11:13	03/16/2021 15:18	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	3.20 %	S-09							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE	RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166	ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:10 pm

Date Received
03/09/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7420		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-38-2	Arsenic	7.00		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-39-3	Barium	140		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-43-9	Cadmium	0.468		mg/kg dry	0.323	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-70-2	Calcium	56500	B	mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-47-3	Chromium	28.2		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-48-4	Cobalt	5.59		mg/kg dry	0.431	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-50-8	Copper	28.0		mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7439-89-6	Iron	17200		mg/kg dry	26.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7439-92-1	Lead	90.0		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7439-95-4	Magnesium	9570		mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7439-96-5	Manganese	267		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-02-0	Nickel	19.0		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-09-7	Potassium	1480	B	mg/kg dry	5.38	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-22-4	Silver	ND		mg/kg dry	0.538	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-23-5	Sodium	363		mg/kg dry	53.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM
7440-62-2	Vanadium	26.7		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM



Sample Information

Client Sample ID: SB10_0-2

York Sample ID: 21C0454-04

York Project (SDG) No.
21C0454

Client Project ID
170430001

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Soil

Collection Date/Time
March 9, 2021 3:10 pm

Date Received
03/09/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	92.5	B	mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:32	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.182		mg/kg dry	0.0323	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2021 14:19	03/16/2021 23:36	BML

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.538	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/11/2021 14:31	03/11/2021 23:04	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	28.2		mg/kg	0.500	1	Calculation Certifications:	03/16/2021 14:40	03/16/2021 15:27	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.538	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 14:20	03/11/2021 21:02	MAO

Total 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
solids	* % Solids	92.9		%	0.100	1	SM 2540G Certifications: CTDOH	03/12/2021 08:57	03/12/2021 12:27	JAG



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:20 pm

03/09/2021

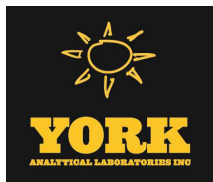
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2021 06:47	03/16/2021 16:15	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2021 06:47	03/16/2021 16:15	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
95-63-6	1,2,4-Trimethylbenzene	0.34	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
108-67-8	1,3,5-Trimethylbenzene	0.23	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	4.7	9.4	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
78-93-3	2-Butanone	0.91	B, J	mg/kg dry	0.23	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:20 pm

03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
67-64-1	Acetone	ND		mg/kg dry	0.47	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
107-02-8	Acrolein	ND		mg/kg dry	0.47	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
71-43-2	Benzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-25-2	Bromoform	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
74-83-9	Bromomethane	0.26	CCV-E, J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-15-0	Carbon disulfide	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
67-66-3	Chloroform	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
110-82-7	Cyclohexane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0454

170430001

Soil

March 9, 2021 3:20 pm

03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
98-82-8	Isopropylbenzene	0.50		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-09-2	Methylene chloride	ND		mg/kg dry	0.47	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
104-51-8	n-Butylbenzene	0.29	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
103-65-1	n-Propylbenzene	0.26	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
95-47-6	o-Xylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.47	0.94	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
99-87-6	p-Isopropyltoluene	0.34	J	mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
100-42-5	Styrene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
108-88-3	Toluene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:20 pm

03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.23	0.47	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 06:47	03/16/2021 16:15	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.70	1.4	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2021 06:47	03/16/2021 16:15	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	96.8 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	107 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
91-57-6	2-Methylnaphthalene	0.435		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0454

170430001

Soil

March 9, 2021 3:20 pm

03/09/2021

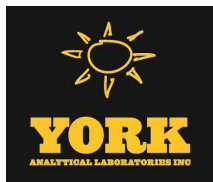
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
83-32-9	Acenaphthene	14.8		mg/kg dry	0.234	0.467	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:38	cd
208-96-8	Acenaphthylene	2.56		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
98-86-2	Acetophenone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
62-53-3	Aniline	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
120-12-7	Anthracene	13.2		mg/kg dry	0.234	0.467	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:38	cd
1912-24-9	Atrazine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
92-87-5	Benzidine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
56-55-3	Benzo(a)anthracene	9.61		mg/kg dry	0.234	0.467	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:38	cd



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:20 pm

03/09/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	6.78		mg/kg dry	0.234	0.467	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:38	cd
205-99-2	Benzo(b)fluoranthene	2.79		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
191-24-2	Benzo(g,h,i)perylene	2.70		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
207-08-9	Benzo(k)fluoranthene	4.36		mg/kg dry	0.234	0.467	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:38	cd
65-85-0	Benzoic acid	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
105-60-2	Caprolactam	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
86-74-8	Carbazole	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
218-01-9	Chrysene	9.10		mg/kg dry	0.234	0.467	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:38	cd
53-70-3	Dibenzo(a,h)anthracene	0.830		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
132-64-9	Dibenzofuran	1.22		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
122-39-4	Diphenylamine	ND		mg/kg dry	0.0934	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
206-44-0	Fluoranthene	15.0		mg/kg dry	1.17	2.34	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:08	cd



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:20 pm

Date Received
03/09/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	2.41		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
193-39-5	Indeno(1,2,3-cd)pyrene	2.19		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
78-59-1	Isophorone	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
91-20-3	Naphthalene	0.809		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
85-01-8	Phenanthrene	27.1		mg/kg dry	1.17	2.34	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:08	cd
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
129-00-0	Pyrene	19.8		mg/kg dry	1.17	2.34	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/16/2021 09:08	cd
110-86-1	Pyridine	ND		mg/kg dry	0.187	0.374	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:09	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	46.5 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	48.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.8 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	86.7 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.7 %	24-116								



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0454

170430001

Soil

March 9, 2021 3:20 pm

03/09/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.90	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 18:16	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	52.0 %			39-127.5					

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:20 pm

Date Received
03/09/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.531	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:06	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		62.6 %	25-150							
Surrogate: M5PFHxA		72.1 %	25-150							
Surrogate: M4PFHpA		48.0 %	25-150							
Surrogate: M3PFHxS		55.0 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic acid		87.4 %	25-150							
Surrogate: M6PFDA		67.1 %	25-150							
Surrogate: M7PFUdA		46.3 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		38.8 %	25-150							
Surrogate: M2PFTeDA		34.3 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic acid		66.8 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfon		42.3 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic acid		61.6 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfon		27.6 %	10-150							
Surrogate: d3-N-MeFOSAA		30.4 %	25-150							
Surrogate: d5-N-EtFOSAA		47.1 %	25-150							
Surrogate: M2-6:2 FTS		126 %	25-150							
Surrogate: M2-8:2 FTS		133 %	25-150							
Surrogate: M9PFNA		75.7 %	25-150							

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

21C0454

Client Project ID

170430001

Matrix

Soil

Collection Date/Time

March 9, 2021 3:20 pm

Date Received

03/09/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2021 13:56	03/16/2021 10:54	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2021 13:56	03/16/2021 10:54	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
72-20-8	Endrin	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2021 13:56	03/16/2021 10:54	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.188	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 10:54	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications:	03/15/2021 13:56	03/16/2021 10:54	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	65.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.2 %	30-150							



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:20 pm

Date Received
03/09/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:36	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	03/15/2021 13:56	03/16/2021 12:36	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	60.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	53.5 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:33	03/15/2021 18:02	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:33	03/15/2021 18:02	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0228	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:33	03/15/2021 18:02	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	73.2 %	21-150							

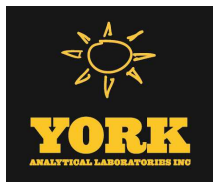
Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@		



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:20 pm

03/09/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	4660		mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-36-0	Antimony	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-38-2	Arsenic	5.43		mg/kg dry	1.73	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-39-3	Barium	44.9		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.345	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-70-2	Calcium	3540	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-47-3	Chromium	10.7		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-48-4	Cobalt	4.01		mg/kg dry	0.460	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-50-8	Copper	22.6		mg/kg dry	2.30	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7439-89-6	Iron	11100		mg/kg dry	28.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7439-92-1	Lead	92.5		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7439-95-4	Magnesium	2140		mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7439-96-5	Manganese	125		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-02-0	Nickel	9.89		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-09-7	Potassium	1150	B	mg/kg dry	5.75	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-22-4	Silver	ND		mg/kg dry	0.575	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-23-5	Sodium	240		mg/kg dry	57.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM
7440-62-2	Vanadium	12.1		mg/kg dry	1.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM



Sample Information

Client Sample ID: SB10_13-15

York Sample ID: 21C0454-05

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:20 pm

Date Received
03/09/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	69.6	B	mg/kg dry	2.88	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:34	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.407		mg/kg dry	0.0345	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2021 14:19	03/16/2021 23:43	BML

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.575	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/11/2021 14:31	03/11/2021 23:04	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	10.7		mg/kg	0.500	1	Calculation Certifications:	03/16/2021 14:40	03/16/2021 15:27	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.575	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/11/2021 14:20	03/11/2021 21:02	MAO

Total 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
solids	* % Solids	87.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/12/2021 08:57	03/12/2021 12:27	JAG



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:15 pm

03/09/2021

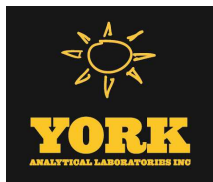
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 06:47	03/15/2021 21:46	MD
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 06:47	03/15/2021 21:46	MD
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
95-63-6	1,2,4-Trimethylbenzene	0.0026	J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
108-67-8	1,3,5-Trimethylbenzene	0.0072		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
78-93-3	2-Butanone	0.0073	B, J	mg/kg dry	0.0024	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:15 pm

03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

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		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
67-64-1	Acetone	0.013	CCV-E, ICV-E	mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
71-43-2	Benzene	0.0043	J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-15-0	Carbon disulfide	0.0088		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
110-82-7	Cyclohexane	0.013	CCV-E	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:15 pm

03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
98-82-8	Isopropylbenzene	0.0045	J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
108-87-2	Methylcyclohexane	0.013		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-09-2	Methylene chloride	0.017		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
95-47-6	o-Xylene	0.0028	J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:15 pm

Date Received
03/09/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 06:47	03/15/2021 21:46	MD
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 06:47	03/15/2021 21:46	MD
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	99.6 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	105 %		76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
91-57-6	2-Methylnaphthalene	0.0756	J	mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0454

170430001

Soil

March 9, 2021 3:15 pm

03/09/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
83-32-9	Acenaphthene	0.218		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
98-86-2	Acetophenone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
62-53-3	Aniline	ND		mg/kg dry	0.201	0.403	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
120-12-7	Anthracene	0.0587	J	mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
1912-24-9	Atrazine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
92-87-5	Benzidine	ND		mg/kg dry	0.201	0.403	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:15 pm

Date Received
03/09/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
65-85-0	Benzoic acid	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
86-74-8	Carbazole	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
218-01-9	Chrysene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
206-44-0	Fluoranthene	0.0732	J	mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:15 pm

Date Received
03/09/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
78-59-1	Isophorone	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
91-20-3	Naphthalene	0.400		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
85-01-8	Phenanthrene	0.247		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
108-95-2	Phenol	ND		mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
129-00-0	Pyrene	0.0941	J	mg/kg dry	0.0504	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
110-86-1	Pyridine	ND		mg/kg dry	0.201	0.403	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:37	03/15/2021 18:40	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	55.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	53.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	57.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.7 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	76.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	69.5 %	24-116								



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:15 pm

Date Received
03/09/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/kg	9.80	1	EPA 8270D SIM Certifications: NELAC-NY10854	03/12/2021 07:03	03/12/2021 18:35	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	44.0 %		39-127.5						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

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March 9, 2021 3:15 pm

Date Received
03/09/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.606	1	EPA 537m Certifications:	03/10/2021 11:59	03/13/2021 00:28	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	101 %
Surrogate: M5PFHxA	96.9 %
Surrogate: M4PFHpA	66.5 %
Surrogate: M3PFHxS	75.7 %
Surrogate: Perfluoro-n-[13C8]octanoic acid	92.9 %
Surrogate: M6PFDA	85.6 %
Surrogate: M7PFUdA	69.0 %
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	61.6 %
Surrogate: M2PFTeDA	68.7 %
Surrogate: Perfluoro-n-[13C4]butanoic acid	110 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	78.4 %
Surrogate: Perfluoro-n-[13C5]pentanoic acid	98.7 %
Surrogate: Perfluoro-1-[13C8]octanesulfon	63.1 %
Surrogate: d3-N-MeFOSAA	45.0 %
Surrogate: d5-N-EtFOSAA	66.5 %
Surrogate: M2-6:2 FTS	80.0 %
Surrogate: M2-8:2 FTS	100 %
Surrogate: M9PFNA	118 %

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM



Sample Information

Client Sample ID: SB10_22-24

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March 9, 2021 3:15 pm

Date Received
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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2021 13:56	03/16/2021 11:10	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/15/2021 13:56	03/16/2021 11:10	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
72-20-8	Endrin	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/15/2021 13:56	03/16/2021 11:10	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.200	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 11:10	CM
57-74-9	* Chlordane, total	ND		mg/kg dry	0.0399	5	EPA 8081B Certifications:	03/15/2021 13:56	03/16/2021 11:10	CM
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	57.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	42.9 %	30-150							



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:15 pm

Date Received
03/09/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
37324-23-5	Aroclor 1262	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
11100-14-4	Aroclor 1268	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/15/2021 13:56	03/16/2021 12:49	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0202	1	EPA 8082A Certifications:	03/15/2021 13:56	03/16/2021 12:49	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	48.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	43.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0240	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:33	03/15/2021 18:13	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0240	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:33	03/15/2021 18:13	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0240	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/15/2021 07:33	03/15/2021 18:13	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	72.4 %	21-150							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE		STRATFORD, CT 06615		■		132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com		(203) 325-1371				FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:15 pm

Date Received
03/09/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15400		mg/kg dry	6.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-36-0	Antimony	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-38-2	Arsenic	8.83		mg/kg dry	1.82	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-39-3	Barium	46.8		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.061	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.364	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-70-2	Calcium	1400	B	mg/kg dry	6.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-47-3	Chromium	21.3		mg/kg dry	0.607	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-48-4	Cobalt	8.22		mg/kg dry	0.486	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-50-8	Copper	14.3		mg/kg dry	2.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7439-89-6	Iron	21100		mg/kg dry	30.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7439-92-1	Lead	9.29		mg/kg dry	0.607	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7439-95-4	Magnesium	3930		mg/kg dry	6.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7439-96-5	Manganese	150		mg/kg dry	0.607	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-02-0	Nickel	22.0		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-09-7	Potassium	1950	B	mg/kg dry	6.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7782-49-2	Selenium	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-22-4	Silver	ND		mg/kg dry	0.607	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-23-5	Sodium	381		mg/kg dry	60.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-28-0	Thallium	ND		mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM
7440-62-2	Vanadium	28.3		mg/kg dry	1.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM



Sample Information

Client Sample ID: SB10_22-24

York Sample ID: 21C0454-06

York Project (SDG) No.
21C0454

Client Project ID
170430001

Matrix
Soil

Collection Date/Time
March 9, 2021 3:15 pm

Date Received
03/09/2021

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-66-6	Zinc	52.5	B	mg/kg dry	3.04	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/12/2021 19:42	03/16/2021 12:37	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0364	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/16/2021 14:19	03/17/2021 00:11	BML

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.607	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/11/2021 14:31	03/11/2021 23:04	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.3		mg/kg	0.500	1	Calculation Certifications:	03/16/2021 14:40	03/16/2021 15:27	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.607	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 08:42	03/15/2021 14:05	OT

Total 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
solids	* % Solids	82.4		%	0.100	1	SM 2540G Certifications: CTDOH	03/12/2021 08:57	03/12/2021 12:27	JAG



Analytical Batch Summary

Batch ID: BC10602 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/10/21
21C0454-05	SB10_13-15	03/10/21
21C0454-06	SB10_22-24	03/10/21
BC10602-BLK1	Blank	03/10/21
BC10602-BS1	LCS	03/10/21
BC10602-MS1	Matrix Spike	03/10/21
BC10602-MSD1	Matrix Spike Dup	03/10/21

Batch ID: BC10677 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/15/21
21C0454-06	SB10_22-24	03/15/21
BC10677-BLK1	Blank	03/15/21
BC10677-BLK3	Blank	03/15/21
BC10677-BLK4	Blank	03/15/21
BC10677-BS1	LCS	03/15/21
BC10677-BSD1	LCS Dup	03/15/21

Batch ID: BC10696 **Preparation Method:** Analysis Preparation Soil **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/11/21
21C0454-05	SB10_13-15	03/11/21
BC10696-BLK1	Blank	03/11/21
BC10696-DUP1	Duplicate	03/11/21
BC10696-MS1	Matrix Spike	03/11/21
BC10696-SRM1	Reference	03/11/21

Batch ID: BC10699 **Preparation Method:** EPA SW846-3060 **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/11/21
21C0454-05	SB10_13-15	03/11/21
21C0454-06	SB10_22-24	03/11/21
BC10699-BLK1	Blank	03/11/21
BC10699-DUP1	Duplicate	03/11/21
BC10699-MS1	Matrix Spike	03/11/21
BC10699-SRM1	Reference	03/11/21

Batch ID: BC10727 **Preparation Method:** EPA 3550C **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date



21C0454-04	SB10_0-2	03/12/21
21C0454-05	SB10_13-15	03/12/21
21C0454-06	SB10_22-24	03/12/21
BC10727-BLK1	Blank	03/12/21
BC10727-BS1	LCS	03/12/21
BC10727-MS1	Matrix Spike	03/12/21
BC10727-MSD1	Matrix Spike Dup	03/12/21

Batch ID: BC10741 **Preparation Method:** % Solids Prep **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/12/21
21C0454-05	SB10_13-15	03/12/21
21C0454-06	SB10_22-24	03/12/21
BC10741-DUP1	Duplicate	03/12/21

Batch ID: BC10765 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-01	EC_FB06_030921	03/12/21
BC10765-BLK1	Blank	03/12/21
BC10765-BS1	LCS	03/12/21
BC10765-DUP1	Duplicate	03/12/21
BC10765-MS1	Matrix Spike	03/12/21

Batch ID: BC10769 **Preparation Method:** EPA 3550C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-02	SB04A_28-30	03/12/21
21C0454-03	SB10_58-60	03/12/21

Batch ID: BC10804 **Preparation Method:** EPA 3050B **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/12/21
21C0454-05	SB10_13-15	03/12/21
21C0454-06	SB10_22-24	03/12/21
BC10804-BLK1	Blank	03/12/21
BC10804-DUP1	Duplicate	03/12/21
BC10804-MS1	Matrix Spike	03/12/21
BC10804-PS1	Post Spike	03/12/21
BC10804-SRM1	Reference	03/12/21

Batch ID: BC10819 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-05	SB10_13-15	03/15/21
21C0454-06	SB10_22-24	03/15/21



BC10819-BLK1	Blank	03/15/21
BC10819-BS1	LCS	03/15/21
BC10819-MS1	Matrix Spike	03/15/21
BC10819-MSD1	Matrix Spike Dup	03/15/21

Batch ID: BC10821 **Preparation Method:** EPA 3546 SVOA **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/15/21
21C0454-05	SB10_13-15	03/15/21
21C0454-05RE1	SB10_13-15	03/15/21
21C0454-05RE2	SB10_13-15	03/15/21
21C0454-06	SB10_22-24	03/15/21
BC10821-BLK1	Blank	03/15/21
BC10821-BS1	LCS	03/15/21
BC10821-MS1	Matrix Spike	03/15/21
BC10821-MSD1	Matrix Spike Dup	03/15/21

Batch ID: BC10830 **Preparation Method:** Analysis Preparation Soil **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-06	SB10_22-24	03/15/21
BC10830-BLK1	Blank	03/15/21
BC10830-DUP1	Duplicate	03/15/21
BC10830-MS1	Matrix Spike	03/15/21
BC10830-SRM1	Reference	03/15/21

Batch ID: BC10861 **Preparation Method:** EPA 3550C **Prepared By:** EM

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/15/21
21C0454-04	SB10_0-2	03/15/21
21C0454-05	SB10_13-15	03/15/21
21C0454-05	SB10_13-15	03/15/21
21C0454-06	SB10_22-24	03/15/21
21C0454-06	SB10_22-24	03/15/21
BC10861-BLK1	Blank	03/15/21
BC10861-BLK2	Blank	03/15/21
BC10861-BS1	LCS	03/15/21
BC10861-BS2	LCS	03/15/21
BC10861-MS1	Matrix Spike	03/15/21
BC10861-MS2	Matrix Spike	03/15/21
BC10861-MSD1	Matrix Spike Dup	03/15/21
BC10861-MSD2	Matrix Spike Dup	03/15/21

Batch ID: BC10895 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/16/21



BC10895-BLK1	Blank	03/16/21
BC10895-BS1	LCS	03/16/21
BC10895-BSD1	LCS Dup	03/16/21
BC10895-MS1	Matrix Spike	03/16/21

Batch ID: BC10944 **Preparation Method:** EPA 7473 soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/16/21
21C0454-05	SB10_13-15	03/16/21
21C0454-06	SB10_22-24	03/16/21
BC10944-BLK1	Blank	03/16/21
BC10944-DUP1	Duplicate	03/16/21
BC10944-MS1	Matrix Spike	03/16/21
BC10944-SRM1	Reference	03/16/21

Batch ID: BC10949 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-04	SB10_0-2	03/16/21
21C0454-05	SB10_13-15	03/16/21
21C0454-06	SB10_22-24	03/16/21

Batch ID: BC10960 **Preparation Method:** EPA 5035A **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0454-05	SB10_13-15	03/16/21
BC10960-BLK1	Blank	03/16/21
BC10960-BLK2	Blank	03/16/21
BC10960-BS1	LCS	03/16/21
BC10960-BSD1	LCS Dup	03/16/21



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 BC10677 - EPA 5035A											
Blank (BC10677-BLK1)	Blank										Prepared & Analyzed: 03/15/2021
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0068	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								



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 BC10677 - EPA 5035A

Blank (BC10677-BLK1)		Blank		Prepared & Analyzed: 03/15/2021							
n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	51.8		ug/L	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	49.9		"	50.0		99.8	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.6		"	50.0		99.1	76-130				

Blank (BC10677-BLK3)		HOLDING BLANK- 21C0447		Prepared & Analyzed: 03/15/2021							
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0069	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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 BC10677 - EPA 5035A

Blank (BC10677-BLK3)		HOLDING BLANK- 21C0447				Prepared & Analyzed: 03/15/2021					
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	53.8		ug/L	50.0		108	77-125				
Surrogate: SURRE: Toluene-d8	48.1		"	50.0		96.2	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	50.3		"	50.0		101	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10677 - EPA 5035A

Blank (BC10677-BLK4)		HOLDING BLANK- 21C0454				Prepared & Analyzed: 03/15/2021					
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0072	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10677 - EPA 5035A

Blank (BC10677-BLK4)	HOLDING BLANK- 21C0454							Prepared & Analyzed: 03/15/2021			
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	52.1		ug/L	50.0		104	77-125				
<i>Surrogate: SURR: Toluene-d8</i>	48.5		"	50.0		97.0	85-120				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	50.4		"	50.0		101	76-130				

LCS (BC10677-BS1)	LCS							Prepared & Analyzed: 03/15/2021			
1,1,1,2-Tetrachloroethane	54.4		ug/L	50.0		109	75-129				
1,1,1-Trichloroethane	54.6		"	50.0		109	71-137				
1,1,2,2-Tetrachloroethane	54.9		"	50.0		110	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	63.3		"	50.0		127	58-146				
1,1,2-Trichloroethane	53.9		"	50.0		108	83-123				
1,1-Dichloroethane	53.4		"	50.0		107	75-130				
1,1-Dichloroethylene	56.9		"	50.0		114	64-137				
1,2,3-Trichlorobenzene	51.5		"	50.0		103	81-140				
1,2,3-Trichloropropane	53.8		"	50.0		108	81-126				
1,2,4-Trichlorobenzene	53.3		"	50.0		107	80-141				
1,2,4-Trimethylbenzene	53.6		"	50.0		107	84-125				
1,2-Dibromo-3-chloropropane	55.0		"	50.0		110	74-142				
1,2-Dibromoethane	54.4		"	50.0		109	86-123				
1,2-Dichlorobenzene	53.2		"	50.0		106	85-122				
1,2-Dichloroethane	56.1		"	50.0		112	71-133				
1,2-Dichloropropane	55.1		"	50.0		110	81-122				
1,3,5-Trimethylbenzene	61.3		"	50.0		123	82-126				
1,3-Dichlorobenzene	52.4		"	50.0		105	84-124				
1,4-Dichlorobenzene	52.0		"	50.0		104	84-124				
1,4-Dioxane	1220		"	1050		117	10-228				
2-Butanone	39.1		"	50.0		78.1	58-147				
2-Hexanone	52.2		"	50.0		104	70-139				
4-Methyl-2-pentanone	51.4		"	50.0		103	72-132				
Acetone	35.3		"	50.0		70.6	36-155				
Acrolein	58.3		"	50.0		117	10-238				
Acrylonitrile	56.8		"	50.0		114	66-141				
Benzene	55.9		"	50.0		112	77-127				
Bromochloromethane	57.2		"	50.0		114	74-129				
Bromodichloromethane	53.4		"	50.0		107	81-124				
Bromoform	49.3		"	50.0		98.6	80-136				



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 BC10677 - EPA 5035A											
LCS (BC10677-BS1)	LCS						Prepared & Analyzed: 03/15/2021				
Bromomethane	62.2		ug/L	50.0		124	32-177				
Carbon disulfide	58.8		"	50.0		118	10-136				
Carbon tetrachloride	56.2		"	50.0		112	66-143				
Chlorobenzene	54.2		"	50.0		108	86-120				
Chloroethane	73.6		"	50.0		147	51-142	High Bias			
Chloroform	55.8		"	50.0		112	76-131				
Chloromethane	54.2		"	50.0		108	49-132				
cis-1,2-Dichloroethylene	55.9		"	50.0		112	74-132				
cis-1,3-Dichloropropylene	55.1		"	50.0		110	81-129				
Cyclohexane	47.5		"	50.0		95.0	70-130				
Dibromochloromethane	55.9		"	50.0		112	10-200				
Dibromomethane	52.6		"	50.0		105	83-124				
Dichlorodifluoromethane	78.5		"	50.0		157	28-158				
Ethyl Benzene	54.7		"	50.0		109	84-125				
Hexachlorobutadiene	54.2		"	50.0		108	83-133				
Isopropylbenzene	52.7		"	50.0		105	81-127				
Methyl acetate	56.5		"	50.0		113	41-143				
Methyl tert-butyl ether (MTBE)	57.0		"	50.0		114	74-131				
Methylcyclohexane	56.9		"	50.0		114	70-130				
Methylene chloride	57.4		"	50.0		115	57-141				
n-Butylbenzene	51.8		"	50.0		104	80-130				
n-Propylbenzene	52.9		"	50.0		106	74-136				
o-Xylene	54.6		"	50.0		109	83-123				
p- & m- Xylenes	108		"	100		108	82-128				
p-Isopropyltoluene	54.7		"	50.0		109	85-125				
sec-Butylbenzene	56.1		"	50.0		112	83-125				
Styrene	56.4		"	50.0		113	86-126				
tert-Butyl alcohol (TBA)	184		"	250		73.7	70-130				
tert-Butylbenzene	47.0		"	50.0		94.0	80-127				
Tetrachloroethylene	44.9		"	50.0		89.8	80-129				
Toluene	53.7		"	50.0		107	85-121				
trans-1,2-Dichloroethylene	59.2		"	50.0		118	72-132				
trans-1,3-Dichloropropylene	55.2		"	50.0		110	78-132				
Trichloroethylene	53.5		"	50.0		107	84-123				
Trichlorofluoromethane	60.4		"	50.0		121	62-140				
Vinyl Chloride	66.3		"	50.0		133	52-130	High Bias			
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>50.9</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>77-125</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>50.4</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-120</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>50.5</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>76-130</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 BC10677 - EPA 5035A											
LCS Dup (BC10677-BSD1)	LCS Dup			Prepared & Analyzed: 03/15/2021							
1,1,1,2-Tetrachloroethane	53.0		ug/L	50.0		106	75-129		2.62	30	
1,1,1-Trichloroethane	52.6		"	50.0		105	71-137		3.71	30	
1,1,2,2-Tetrachloroethane	55.3		"	50.0		111	79-129		0.744	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62.6		"	50.0		125	58-146		1.00	30	
1,1,2-Trichloroethane	53.5		"	50.0		107	83-123		0.633	30	
1,1-Dichloroethane	51.7		"	50.0		103	75-130		3.20	30	
1,1-Dichloroethylene	55.8		"	50.0		112	64-137		2.02	30	
1,2,3-Trichlorobenzene	51.9		"	50.0		104	81-140		0.870	30	
1,2,3-Trichloropropane	55.5		"	50.0		111	81-126		2.98	30	
1,2,4-Trichlorobenzene	53.4		"	50.0		107	80-141		0.300	30	
1,2,4-Trimethylbenzene	53.8		"	50.0		108	84-125		0.428	30	
1,2-Dibromo-3-chloropropane	53.8		"	50.0		108	74-142		2.22	30	
1,2-Dibromoethane	53.3		"	50.0		107	86-123		2.17	30	
1,2-Dichlorobenzene	52.8		"	50.0		106	85-122		0.811	30	
1,2-Dichloroethane	54.1		"	50.0		108	71-133		3.65	30	
1,2-Dichloropropane	55.0		"	50.0		110	81-122		0.109	30	
1,3,5-Trimethylbenzene	61.1		"	50.0		122	82-126		0.278	30	
1,3-Dichlorobenzene	52.5		"	50.0		105	84-124		0.171	30	
1,4-Dichlorobenzene	52.9		"	50.0		106	84-124		1.72	30	
1,4-Dioxane	1200		"	1050		114	10-228		1.81	30	
2-Butanone	47.4		"	50.0		94.8	58-147		19.3	30	
2-Hexanone	50.4		"	50.0		101	70-139		3.37	30	
4-Methyl-2-pentanone	52.1		"	50.0		104	72-132		1.43	30	
Acetone	36.1		"	50.0		72.2	36-155		2.24	30	
Acrolein	53.7		"	50.0		107	10-238		8.15	30	
Acrylonitrile	54.2		"	50.0		108	66-141		4.65	30	
Benzene	53.6		"	50.0		107	77-127		4.26	30	
Bromochloromethane	54.9		"	50.0		110	74-129		4.16	30	
Bromodichloromethane	52.6		"	50.0		105	81-124		1.59	30	
Bromoform	47.8		"	50.0		95.5	80-136		3.13	30	
Bromomethane	58.7		"	50.0		117	32-177		5.73	30	
Carbon disulfide	57.4		"	50.0		115	10-136		2.48	30	
Carbon tetrachloride	54.6		"	50.0		109	66-143		2.98	30	
Chlorobenzene	53.1		"	50.0		106	86-120		2.01	30	
Chloroethane	70.5		"	50.0		141	51-142		4.25	30	
Chloroform	54.1		"	50.0		108	76-131		3.11	30	
Chloromethane	52.2		"	50.0		104	49-132		3.72	30	
cis-1,2-Dichloroethylene	54.0		"	50.0		108	74-132		3.50	30	
cis-1,3-Dichloropropylene	54.0		"	50.0		108	81-129		2.00	30	
Cyclohexane	47.2		"	50.0		94.3	70-130		0.676	30	
Dibromochloromethane	54.6		"	50.0		109	10-200		2.32	30	
Dibromomethane	53.0		"	50.0		106	83-124		0.663	30	
Dichlorodifluoromethane	73.0		"	50.0		146	28-158		7.30	30	
Ethyl Benzene	53.7		"	50.0		107	84-125		1.77	30	
Hexachlorobutadiene	55.0		"	50.0		110	83-133		1.36	30	
Isopropylbenzene	52.9		"	50.0		106	81-127		0.246	30	
Methyl acetate	53.6		"	50.0		107	41-143		5.14	30	
Methyl tert-butyl ether (MTBE)	55.9		"	50.0		112	74-131		2.02	30	
Methylcyclohexane	56.7		"	50.0		113	70-130		0.352	30	
Methylene chloride	54.7		"	50.0		109	57-141		4.94	30	
n-Butylbenzene	57.9		"	50.0		116	80-130		11.2	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10677 - EPA 5035A

LCS Dup (BC10677-BSD1)	LCS Dup	Prepared & Analyzed: 03/15/2021									
n-Propylbenzene	53.8		ug/L	50.0		108	74-136		1.80	30	
o-Xylene	54.2		"	50.0		108	83-123		0.588	30	
p- & m- Xylenes	108		"	100		108	82-128		0.666	30	
p-Isopropyltoluene	54.6		"	50.0		109	85-125		0.110	30	
sec-Butylbenzene	57.1		"	50.0		114	83-125		1.64	30	
Styrene	55.8		"	50.0		112	86-126		1.05	30	
tert-Butyl alcohol (TBA)	182		"	250		72.8	70-130		1.22	30	
tert-Butylbenzene	46.9		"	50.0		93.8	80-127		0.192	30	
Tetrachloroethylene	45.6		"	50.0		91.2	80-129		1.53	30	
Toluene	53.4		"	50.0		107	85-121		0.654	30	
trans-1,2-Dichloroethylene	57.5		"	50.0		115	72-132		2.96	30	
trans-1,3-Dichloropropylene	54.8		"	50.0		110	78-132		0.782	30	
Trichloroethylene	53.0		"	50.0		106	84-123		0.902	30	
Trichlorofluoromethane	58.3		"	50.0		117	62-140		3.62	30	
Vinyl Chloride	64.0		"	50.0		128	52-130		3.39	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.1		"	50.0		98.1	77-125				
Surrogate: SURR: Toluene-d8	49.6		"	50.0		99.1	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.3	76-130				

Batch BC10960 - EPA 5035A

Blank (BC10960-BLK1)	Blank	Prepared & Analyzed: 03/16/2021									
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0076	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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 BC10960 - EPA 5035A

Blank (BC10960-BLK1)		Blank		Prepared & Analyzed: 03/16/2021							
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	54.6		ug/L	50.0		109	77-125				
Surrogate: SURRE: Toluene-d8	48.5		"	50.0		97.1	85-120				
Surrogate: SURRE: p-Bromofluorobenzene	49.8		"	50.0		99.6	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10960 - EPA 5035A											
Blank (BC10960-BLK2)	METHANOL ML BLANK								Prepared & Analyzed: 03/16/2021		
1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	0.0090	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	0.0032	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								



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 BC10960 - EPA 5035A

Blank (BC10960-BLK2)		METHANOL ML BLANK				Prepared & Analyzed: 03/16/2021					
n-Propylbenzene	ND	0.0050	mg/kg wet								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	55.4		ug/L	50.0		111	77-125				
Surrogate: SURR: Toluene-d8	48.7		"	50.0		97.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.4		"	50.0		101	76-130				

LCS (BC10960-BS1)		LCS				Prepared & Analyzed: 03/16/2021					
1,1,1,2-Tetrachloroethane	47.9		ug/L	50.0		95.9	75-129				
1,1,1-Trichloroethane	47.1		"	50.0		94.2	71-137				
1,1,2,2-Tetrachloroethane	50.9		"	50.0		102	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.5		"	50.0		101	58-146				
1,1,2-Trichloroethane	48.4		"	50.0		96.8	83-123				
1,1-Dichloroethane	44.5		"	50.0		89.0	75-130				
1,1-Dichloroethylene	44.8		"	50.0		89.5	64-137				
1,2,3-Trichlorobenzene	42.8		"	50.0		85.6	81-140				
1,2,3-Trichloropropane	48.3		"	50.0		96.6	81-126				
1,2,4-Trichlorobenzene	44.0		"	50.0		88.1	80-141				
1,2,4-Trimethylbenzene	44.6		"	50.0		89.1	84-125				
1,2-Dibromo-3-chloropropane	43.9		"	50.0		87.9	74-142				
1,2-Dibromoethane	49.3		"	50.0		98.6	86-123				
1,2-Dichlorobenzene	45.7		"	50.0		91.3	85-122				
1,2-Dichloroethane	51.6		"	50.0		103	71-133				
1,2-Dichloropropane	46.3		"	50.0		92.5	81-122				
1,3,5-Trimethylbenzene	52.3		"	50.0		105	82-126				
1,3-Dichlorobenzene	44.4		"	50.0		88.8	84-124				
1,4-Dichlorobenzene	45.7		"	50.0		91.4	84-124				
1,4-Dioxane	858		"	1050		81.7	10-228				
2-Butanone	40.0		"	50.0		79.9	58-147				
2-Hexanone	47.9		"	50.0		95.9	70-139				
4-Methyl-2-pentanone	49.8		"	50.0		99.7	72-132				
Acetone	31.8		"	50.0		63.5	36-155				
Acrolein	55.2		"	50.0		110	10-238				
Acrylonitrile	49.9		"	50.0		99.8	66-141				
Benzene	48.0		"	50.0		96.0	77-127				
Bromochloromethane	51.0		"	50.0		102	74-129				
Bromodichloromethane	46.5		"	50.0		93.1	81-124				
Bromoform	47.7		"	50.0		95.4	80-136				



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 BC10960 - EPA 5035A											
LCS (BC10960-BS1)	LCS		Prepared & Analyzed: 03/16/2021								
Bromomethane	68.9		ug/L	50.0		138	32-177				
Carbon disulfide	47.4		"	50.0		94.8	10-136				
Carbon tetrachloride	46.5		"	50.0		93.0	66-143				
Chlorobenzene	46.0		"	50.0		92.0	86-120				
Chloroethane	59.8		"	50.0		120	51-142				
Chloroform	47.3		"	50.0		94.7	76-131				
Chloromethane	40.3		"	50.0		80.7	49-132				
cis-1,2-Dichloroethylene	46.9		"	50.0		93.8	74-132				
cis-1,3-Dichloropropylene	47.0		"	50.0		94.1	81-129				
Cyclohexane	38.0		"	50.0		76.0	70-130				
Dibromochloromethane	51.9		"	50.0		104	10-200				
Dibromomethane	46.6		"	50.0		93.2	83-124				
Dichlorodifluoromethane	50.9		"	50.0		102	28-158				
Ethyl Benzene	45.5		"	50.0		91.0	84-125				
Hexachlorobutadiene	39.5		"	50.0		79.0	83-133	Low Bias			
Isopropylbenzene	42.9		"	50.0		85.9	81-127				
Methyl acetate	47.5		"	50.0		94.9	41-143				
Methyl tert-butyl ether (MTBE)	47.9		"	50.0		95.9	74-131				
Methylcyclohexane	43.2		"	50.0		86.3	70-130				
Methylene chloride	50.6		"	50.0		101	57-141				
n-Butylbenzene	44.4		"	50.0		88.9	80-130				
n-Propylbenzene	43.1		"	50.0		86.2	74-136				
o-Xylene	47.3		"	50.0		94.7	83-123				
p- & m- Xylenes	91.0		"	100		91.0	82-128				
p-Isopropyltoluene	44.0		"	50.0		88.1	85-125				
sec-Butylbenzene	44.6		"	50.0		89.1	83-125				
Styrene	49.5		"	50.0		98.9	86-126				
tert-Butyl alcohol (TBA)	195		"	250		78.1	70-130				
tert-Butylbenzene	38.9		"	50.0		77.7	80-127	Low Bias			
Tetrachloroethylene	36.6		"	50.0		73.1	80-129	Low Bias			
Toluene	44.8		"	50.0		89.6	85-121				
trans-1,2-Dichloroethylene	47.4		"	50.0		94.9	72-132				
trans-1,3-Dichloropropylene	49.8		"	50.0		99.6	78-132				
Trichloroethylene	41.9		"	50.0		83.7	84-123	Low Bias			
Trichlorofluoromethane	47.8		"	50.0		95.7	62-140				
Vinyl Chloride	51.5		"	50.0		103	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	53.8		"	50.0		108	77-125				
Surrogate: SURR: Toluene-d8	48.0		"	50.0		95.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.2		"	50.0		98.4	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10960 - EPA 5035A											
LCS Dup (BC10960-BSD1)	LCS Dup		Prepared & Analyzed: 03/16/2021								
1,1,1,2-Tetrachloroethane	46.2		ug/L	50.0		92.3	75-129		3.78	30	
1,1,1-Trichloroethane	45.1		"	50.0		90.2	71-137		4.38	30	
1,1,2,2-Tetrachloroethane	50.2		"	50.0		100	79-129		1.29	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.8		"	50.0		97.7	58-146		3.34	30	
1,1,2-Trichloroethane	47.2		"	50.0		94.3	83-123		2.55	30	
1,1-Dichloroethane	42.6		"	50.0		85.2	75-130		4.27	30	
1,1-Dichloroethylene	42.3		"	50.0		84.5	64-137		5.75	30	
1,2,3-Trichlorobenzene	42.0		"	50.0		83.9	81-140		1.98	30	
1,2,3-Trichloropropane	46.2		"	50.0		92.3	81-126		4.53	30	
1,2,4-Trichlorobenzene	43.0		"	50.0		85.9	80-141		2.44	30	
1,2,4-Trimethylbenzene	43.9		"	50.0		87.8	84-125		1.51	30	
1,2-Dibromo-3-chloropropane	44.2		"	50.0		88.4	74-142		0.567	30	
1,2-Dibromoethane	46.8		"	50.0		93.7	86-123		5.18	30	
1,2-Dichlorobenzene	44.3		"	50.0		88.7	85-122		2.96	30	
1,2-Dichloroethane	48.5		"	50.0		97.1	71-133		6.03	30	
1,2-Dichloropropane	44.1		"	50.0		88.3	81-122		4.71	30	
1,3,5-Trimethylbenzene	51.0		"	50.0		102	82-126		2.56	30	
1,3-Dichlorobenzene	43.9		"	50.0		87.7	84-124		1.27	30	
1,4-Dichlorobenzene	43.6		"	50.0		87.1	84-124		4.75	30	
1,4-Dioxane	819		"	1050		78.0	10-228		4.72	30	
2-Butanone	41.4		"	50.0		82.8	58-147		3.51	30	
2-Hexanone	46.2		"	50.0		92.4	70-139		3.74	30	
4-Methyl-2-pentanone	48.6		"	50.0		97.2	72-132		2.52	30	
Acetone	31.7		"	50.0		63.4	36-155		0.189	30	
Acrolein	51.8		"	50.0		104	10-238		6.37	30	
Acrylonitrile	48.5		"	50.0		97.0	66-141		2.84	30	
Benzene	45.0		"	50.0		89.9	77-127		6.58	30	
Bromochloromethane	47.4		"	50.0		94.9	74-129		7.31	30	
Bromodichloromethane	44.1		"	50.0		88.2	81-124		5.36	30	
Bromoform	44.8		"	50.0		89.5	80-136		6.32	30	
Bromomethane	66.9		"	50.0		134	32-177		2.96	30	
Carbon disulfide	45.2		"	50.0		90.4	10-136		4.82	30	
Carbon tetrachloride	44.2		"	50.0		88.3	66-143		5.12	30	
Chlorobenzene	44.0		"	50.0		87.9	86-120		4.54	30	
Chloroethane	57.3		"	50.0		115	51-142		4.32	30	
Chloroform	45.0		"	50.0		89.9	76-131		5.16	30	
Chloromethane	38.5		"	50.0		77.0	49-132		4.59	30	
cis-1,2-Dichloroethylene	45.9		"	50.0		91.9	74-132		2.11	30	
cis-1,3-Dichloropropylene	45.0		"	50.0		90.1	81-129		4.34	30	
Cyclohexane	36.3		"	50.0		72.6	70-130		4.55	30	
Dibromochloromethane	49.0		"	50.0		97.9	10-200		5.91	30	
Dibromomethane	44.3		"	50.0		88.6	83-124		5.06	30	
Dichlorodifluoromethane	48.6		"	50.0		97.2	28-158		4.64	30	
Ethyl Benzene	43.6		"	50.0		87.1	84-125		4.31	30	
Hexachlorobutadiene	39.1		"	50.0		78.2	83-133	Low Bias	1.04	30	
Isopropylbenzene	41.6		"	50.0		83.3	81-127		3.10	30	
Methyl acetate	46.3		"	50.0		92.6	41-143		2.52	30	
Methyl tert-butyl ether (MTBE)	48.6		"	50.0		97.1	74-131		1.33	30	
Methylcyclohexane	42.0		"	50.0		84.0	70-130		2.75	30	
Methylene chloride	47.5		"	50.0		95.1	57-141		6.34	30	
n-Butylbenzene	42.2		"	50.0		84.3	80-130		5.27	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10960 - EPA 5035A											
LCS Dup (BC10960-BSD1)	LCS Dup		Prepared & Analyzed: 03/16/2021								
n-Propylbenzene	42.2		ug/L	50.0		84.3	74-136		2.20	30	
o-Xylene	45.2		"	50.0		90.4	83-123		4.67	30	
p- & m- Xylenes	87.5		"	100		87.5	82-128		3.92	30	
p-Isopropyltoluene	43.1		"	50.0		86.1	85-125		2.25	30	
sec-Butylbenzene	43.6		"	50.0		87.3	83-125		2.04	30	
Styrene	47.4		"	50.0		94.9	86-126		4.17	30	
tert-Butyl alcohol (TBA)	185		"	250		74.2	70-130		5.10	30	
tert-Butylbenzene	37.4		"	50.0		74.9	80-127	Low Bias	3.75	30	
Tetrachloroethylene	35.4		"	50.0		70.8	80-129	Low Bias	3.19	30	
Toluene	42.7		"	50.0		85.5	85-121		4.77	30	
trans-1,2-Dichloroethylene	45.8		"	50.0		91.6	72-132		3.50	30	
trans-1,3-Dichloropropylene	47.5		"	50.0		95.0	78-132		4.65	30	
Trichloroethylene	40.0		"	50.0		79.9	84-123	Low Bias	4.62	30	
Trichlorofluoromethane	46.1		"	50.0		92.1	62-140		3.79	30	
Vinyl Chloride	48.6		"	50.0		97.1	52-130		5.84	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	52.0		"	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	47.4		"	50.0		94.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	50.2		"	50.0		100	76-130				



Semivolatile 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 BC10821 - EPA 3546 SVOA											
Blank (BC10821-BLK1)	Blank										Prepared & Analyzed: 03/15/2021
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								



Semivolatile 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 BC10821 - EPA 3546 SVOA

Blank (BC10821-BLK1)	Blank	Prepared & Analyzed: 03/15/2021									
Dibenzofuran	ND	0.0416	mg/kg wet								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Diphenylamine	ND	0.0830	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Pyridine	ND	0.166	"								
Surrogate: SURR: 2-Fluorophenol	1.13		"	1.66		68.3	20-108				
Surrogate: SURR: Phenol-d5	1.05		"	1.66		62.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.582		"	0.831		70.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.592		"	0.831		71.3	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.38		"	1.66		82.8	19-110				
Surrogate: SURR: Terphenyl-d14	0.719		"	0.831		86.6	24-116				



Semivolatile 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 BC10821 - EPA 3546 SVOA											
LCS (BC10821-BS1)	LCS	Prepared & Analyzed: 03/15/2021									
1,1-Biphenyl	0.599	0.0416	mg/kg wet	0.831		72.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.639	0.0830	"	0.831		76.9	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.530	0.0416	"	0.831		63.8	17-137				
2,3,4,6-Tetrachlorophenol	0.660	0.0830	"	0.831		79.4	30-130				
2,4,5-Trichlorophenol	0.693	0.0416	"	0.831		83.5	27-118				
2,4,6-Trichlorophenol	0.670	0.0416	"	0.831		80.7	31-120				
2,4-Dichlorophenol	0.685	0.0416	"	0.831		82.5	20-127				
2,4-Dimethylphenol	0.660	0.0416	"	0.831		79.5	14-132				
2,4-Dinitrophenol	0.128	0.0830	"	0.831		15.4	10-171				
2,4-Dinitrotoluene	0.635	0.0416	"	0.831		76.4	34-131				
2,6-Dinitrotoluene	0.674	0.0416	"	0.831		81.2	31-128				
2-Chloronaphthalene	0.575	0.0416	"	0.831		69.2	31-117				
2-Chlorophenol	0.556	0.0416	"	0.831		67.0	33-113				
2-Methylnaphthalene	0.677	0.0416	"	0.831		81.5	12-138				
2-Methylphenol	0.572	0.0416	"	0.831		68.9	10-136				
2-Nitroaniline	0.650	0.0830	"	0.831		78.3	27-132				
2-Nitrophenol	0.700	0.0416	"	0.831		84.3	17-129				
3- & 4-Methylphenols	0.526	0.0416	"	0.831		63.3	29-103				
3,3-Dichlorobenzidine	0.421	0.0416	"	0.831		50.6	22-149				
3-Nitroaniline	0.542	0.0830	"	0.831		65.3	20-133				
4,6-Dinitro-2-methylphenol	0.409	0.0830	"	0.831		49.2	10-143				
4-Bromophenyl phenyl ether	0.619	0.0416	"	0.831		74.5	29-120				
4-Chloro-3-methylphenol	0.649	0.0416	"	0.831		78.2	24-129				
4-Chloroaniline	0.304	0.0416	"	0.831		36.6	10-132				
4-Chlorophenyl phenyl ether	0.614	0.0416	"	0.831		73.9	27-124				
4-Nitroaniline	0.646	0.0830	"	0.831		77.7	16-128				
4-Nitrophenol	0.605	0.0830	"	0.831		72.8	10-141				
Acenaphthene	0.584	0.0416	"	0.831		70.3	30-121				
Acenaphthylene	0.586	0.0416	"	0.831		70.6	30-115				
Acetophenone	0.541	0.0416	"	0.831		65.2	20-112				
Aniline	0.317	0.166	"	0.831		38.2	10-119				
Anthracene	0.619	0.0416	"	0.831		74.5	34-118				
Atrazine	0.662	0.0416	"	0.831		79.7	26-112				
Benzaldehyde	0.541	0.0416	"	0.831		65.2	21-100				
Benzo(a)anthracene	0.632	0.0416	"	0.831		76.1	32-122				
Benzo(a)pyrene	0.678	0.0416	"	0.831		81.6	29-133				
Benzo(b)fluoranthene	0.687	0.0416	"	0.831		82.7	25-133				
Benzo(g,h,i)perylene	0.784	0.0416	"	0.831		94.4	10-143				
Benzo(k)fluoranthene	0.684	0.0416	"	0.831		82.4	25-128				
Benzoic acid	0.122	0.0416	"	0.831		14.7	10-140				
Benzyl alcohol	0.609	0.0416	"	0.831		73.3	30-115				
Benzyl butyl phthalate	0.514	0.0416	"	0.831		61.8	26-126				
Bis(2-chloroethoxy)methane	0.595	0.0416	"	0.831		71.6	19-132				
Bis(2-chloroethyl)ether	0.570	0.0416	"	0.831		68.6	19-125				
Bis(2-chloroisopropyl)ether	0.585	0.0416	"	0.831		70.5	20-135				
Bis(2-ethylhexyl)phthalate	0.587	0.0416	"	0.831		70.7	10-155				
Caprolactam	0.713	0.0830	"	0.831		85.8	10-127				
Carbazole	0.620	0.0416	"	0.831		74.6	35-123				
Chrysene	0.669	0.0416	"	0.831		80.5	32-123				
Dibenzo(a,h)anthracene	0.723	0.0416	"	0.831		87.1	10-136				
Dibenzofuran	0.616	0.0416	"	0.831		74.2	29-121				



Semivolatile 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 BC10821 - EPA 3546 SVOA

LCS (BC10821-BS1)	LCS	Prepared & Analyzed: 03/15/2021									
Diethyl phthalate	0.547	0.0416	mg/kg wet	0.831		65.8	34-116				
Dimethyl phthalate	0.573	0.0416	"	0.831		69.0	35-124				
Di-n-butyl phthalate	0.538	0.0416	"	0.831		64.8	31-116				
Di-n-octyl phthalate	0.612	0.0416	"	0.831		73.7	26-136				
Diphenylamine	0.715	0.0830	"	0.831		86.1	40-140				
Fluoranthene	0.631	0.0416	"	0.831		76.0	33-122				
Fluorene	0.603	0.0416	"	0.831		72.6	29-123				
Hexachlorobenzene	0.525	0.0416	"	0.831		63.2	21-124				
Hexachlorobutadiene	0.608	0.0416	"	0.831		73.2	10-149				
Hexachlorocyclopentadiene	0.443	0.0416	"	0.831		53.3	10-129				
Hexachloroethane	0.478	0.0416	"	0.831		57.6	28-108				
Indeno(1,2,3-cd)pyrene	0.732	0.0416	"	0.831		88.1	10-135				
Isophorone	0.608	0.0416	"	0.831		73.2	20-132				
Naphthalene	0.590	0.0416	"	0.831		71.0	23-124				
Nitrobenzene	0.545	0.0416	"	0.831		65.6	13-132				
N-Nitrosodimethylamine	0.527	0.0416	"	0.831		63.4	11-129				
N-nitroso-di-n-propylamine	0.518	0.0416	"	0.831		62.3	24-119				
N-Nitrosodiphenylamine	0.718	0.0416	"	0.831		86.4	22-152				
Pentachlorophenol	0.473	0.0416	"	0.831		57.0	10-139				
Phenanthrene	0.602	0.0416	"	0.831		72.5	33-123				
Phenol	0.592	0.0416	"	0.831		71.3	23-115				
Pyrene	0.572	0.0416	"	0.831		68.9	24-130				
Pyridine	0.300	0.166	"	0.831		36.1	10-91				
Surrogate: SURR: 2-Fluorophenol	1.38		"	1.66		83.1	20-108				
Surrogate: SURR: Phenol-d5	1.33		"	1.66		80.2	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.708		"	0.831		85.2	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.752		"	0.831		90.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.98		"	1.66		119	19-110				
Surrogate: SURR: Terphenyl-d14	0.852		"	0.831		103	24-116				



Semivolatile 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 BC10821 - EPA 3546 SVOA

Matrix Spike (BC10821-MS1)	Matrix Spike	*Source sample: 21C0427-01 (Matrix Spike)						Prepared & Analyzed: 03/15/2021			
1,1-Biphenyl	0.599	0.0906	mg/kg dry	0.905	ND	66.2	10-130				
1,2,4,5-Tetrachlorobenzene	0.605	0.181	"	0.905	ND	66.9	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.515	0.0906	"	0.905	ND	56.9	10-144				
2,3,4,6-Tetrachlorophenol	0.770	0.181	"	0.905	ND	85.0	30-130				
2,4,5-Trichlorophenol	0.670	0.0906	"	0.905	ND	74.1	10-127				
2,4,6-Trichlorophenol	0.636	0.0906	"	0.905	ND	70.2	10-132				
2,4-Dichlorophenol	0.667	0.0906	"	0.905	ND	73.7	10-128				
2,4-Dimethylphenol	0.636	0.0906	"	0.905	ND	70.3	10-137				
2,4-Dinitrophenol	0.620	0.181	"	0.905	ND	68.6	10-171				
2,4-Dinitrotoluene	0.610	0.0906	"	0.905	ND	67.4	16-135				
2,6-Dinitrotoluene	0.634	0.0906	"	0.905	ND	70.1	18-131				
2-Chloronaphthalene	0.560	0.0906	"	0.905	ND	61.8	10-129				
2-Chlorophenol	0.531	0.0906	"	0.905	ND	58.6	15-116				
2-Methylnaphthalene	0.665	0.0906	"	0.905	ND	73.4	10-147				
2-Methylphenol	0.559	0.0906	"	0.905	ND	61.8	10-136				
2-Nitroaniline	0.620	0.181	"	0.905	ND	68.5	10-137				
2-Nitrophenol	0.664	0.0906	"	0.905	ND	73.4	10-129				
3- & 4-Methylphenols	0.488	0.0906	"	0.905	ND	53.9	10-123				
3,3-Dichlorobenzidine	0.388	0.0906	"	0.905	ND	42.9	10-155				
3-Nitroaniline	0.514	0.181	"	0.905	ND	56.8	12-133				
4,6-Dinitro-2-methylphenol	0.657	0.181	"	0.905	ND	72.6	10-155				
4-Bromophenyl phenyl ether	0.618	0.0906	"	0.905	ND	68.2	14-128				
4-Chloro-3-methylphenol	0.631	0.0906	"	0.905	ND	69.8	10-134				
4-Chloroaniline	0.378	0.0906	"	0.905	ND	41.8	10-145				
4-Chlorophenyl phenyl ether	0.603	0.0906	"	0.905	ND	66.6	14-130				
4-Nitroaniline	0.589	0.181	"	0.905	ND	65.1	10-147				
4-Nitrophenol	0.609	0.181	"	0.905	ND	67.3	10-137				
Acenaphthene	0.581	0.0906	"	0.905	ND	64.2	10-146				
Acenaphthylene	0.576	0.0906	"	0.905	ND	63.6	10-134				
Acetophenone	0.542	0.0906	"	0.905	ND	59.9	10-116				
Aniline	0.308	0.363	"	0.905	ND	34.1	10-123				
Anthracene	0.619	0.0906	"	0.905	ND	68.4	10-142				
Atrazine	0.697	0.0906	"	0.905	ND	77.0	19-115				
Benzaldehyde	0.542	0.0906	"	0.905	ND	59.9	10-125				
Benzo(a)anthracene	0.718	0.0906	"	0.905	ND	79.3	10-158				
Benzo(a)pyrene	0.718	0.0906	"	0.905	ND	79.4	10-180				
Benzo(b)fluoranthene	0.735	0.0906	"	0.905	ND	81.2	10-200				
Benzo(g,h,i)perylene	0.707	0.0906	"	0.905	ND	78.1	10-138				
Benzo(k)fluoranthene	0.728	0.0906	"	0.905	ND	80.4	10-197				
Benzoic acid	0.705	0.0906	"	0.905	ND	77.9	10-166				
Benzyl alcohol	0.584	0.0906	"	0.905	ND	64.6	12-124				
Benzyl butyl phthalate	0.550	0.0906	"	0.905	ND	60.7	10-154				
Bis(2-chloroethoxy)methane	0.562	0.0906	"	0.905	ND	62.1	10-132				
Bis(2-chloroethyl)ether	0.587	0.0906	"	0.905	ND	64.9	10-119				
Bis(2-chloroisopropyl)ether	0.563	0.0906	"	0.905	ND	62.2	10-139				
Bis(2-ethylhexyl)phthalate	0.653	0.0906	"	0.905	ND	72.2	10-167				
Caprolactam	0.731	0.181	"	0.905	ND	80.8	10-132				
Carbazole	0.639	0.0906	"	0.905	ND	70.6	10-167				
Chrysene	0.722	0.0906	"	0.905	ND	79.8	10-156				
Dibenzo(a,h)anthracene	0.636	0.0906	"	0.905	ND	70.2	10-137				
Dibenzofuran	0.606	0.0906	"	0.905	ND	67.0	10-147				



Semivolatile 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 BC10821 - EPA 3546 SVOA

Matrix Spike (BC10821-MS1)	Matrix Spike	*Source sample: 21C0427-01 (Matrix Spike)						Prepared & Analyzed: 03/15/2021			
Diethyl phthalate	0.530	0.0906	mg/kg dry	0.905	ND	58.6	20-120				
Dimethyl phthalate	0.549	0.0906	"	0.905	ND	60.6	18-131				
Di-n-butyl phthalate	0.562	0.0906	"	0.905	ND	62.1	10-137				
Di-n-octyl phthalate	0.654	0.0906	"	0.905	ND	72.2	10-180				
Diphenylamine	0.710	0.181	"	0.905	ND	78.4	40-140				
Fluoranthene	0.784	0.0906	"	0.905	0.0843	77.3	10-160				
Fluorene	0.603	0.0906	"	0.905	ND	66.6	10-157				
Hexachlorobenzene	0.542	0.0906	"	0.905	ND	59.9	10-137				
Hexachlorobutadiene	0.580	0.0906	"	0.905	ND	64.1	10-132				
Hexachlorocyclopentadiene	0.305	0.0906	"	0.905	ND	33.7	10-106				
Hexachloroethane	0.458	0.0906	"	0.905	ND	50.6	10-110				
Indeno(1,2,3-cd)pyrene	0.674	0.0906	"	0.905	ND	74.5	10-144				
Isophorone	0.576	0.0906	"	0.905	ND	63.6	10-132				
Naphthalene	0.571	0.0906	"	0.905	ND	63.1	10-141				
Nitrobenzene	0.504	0.0906	"	0.905	ND	55.7	10-131				
N-Nitrosodimethylamine	0.492	0.0906	"	0.905	ND	54.4	10-126				
N-nitroso-di-n-propylamine	0.475	0.0906	"	0.905	ND	52.5	10-125				
N-Nitrosodiphenylamine	0.712	0.0906	"	0.905	ND	78.7	10-177				
Pentachlorophenol	0.592	0.0906	"	0.905	ND	65.4	10-153				
Phenanthrene	0.652	0.0906	"	0.905	ND	72.0	10-148				
Phenol	0.577	0.0906	"	0.905	ND	63.8	10-126				
Pyrene	0.681	0.0906	"	0.905	0.0572	69.0	10-165				
Pyridine	0.282	0.363	"	0.905	ND	31.1	10-83				
Surrogate: SURR: 2-Fluorophenol	1.26		"	1.81		69.8	20-108				
Surrogate: SURR: Phenol-d5	1.21		"	1.81		66.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.643		"	0.905		71.0	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.696		"	0.905		76.9	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.89		"	1.81		104	19-110				
Surrogate: SURR: Terphenyl-d14	0.837		"	0.905		92.5	24-116				



Semivolatile 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 BC10821 - EPA 3546 SVOA											
Matrix Spike Dup (BC10821-1) Matrix Spike Dup						Source sample: 21C0427-01 (Matrix Spike Dup)					
						Prepared & Analyzed: 03/15/2021					
1,1-Biphenyl	0.508	0.0906	mg/kg dry	0.905	ND	56.1	10-130		16.5	30	
1,2,4,5-Tetrachlorobenzene	0.526	0.181	"	0.905	ND	58.2	10-133		13.9	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.435	0.0906	"	0.905	ND	48.1	10-144		16.8	30	
2,3,4,6-Tetrachlorophenol	0.663	0.181	"	0.905	ND	73.3	30-130		14.9	30	
2,4,5-Trichlorophenol	0.597	0.0906	"	0.905	ND	65.9	10-127		11.7	30	
2,4,6-Trichlorophenol	0.567	0.0906	"	0.905	ND	62.6	10-132		11.4	30	
2,4-Dichlorophenol	0.566	0.0906	"	0.905	ND	62.6	10-128		16.3	30	
2,4-Dimethylphenol	0.544	0.0906	"	0.905	ND	60.1	10-137		15.7	30	
2,4-Dinitrophenol	0.520	0.181	"	0.905	ND	57.4	10-171		17.7	30	
2,4-Dinitrotoluene	0.529	0.0906	"	0.905	ND	58.5	16-135		14.1	30	
2,6-Dinitrotoluene	0.547	0.0906	"	0.905	ND	60.4	18-131		14.8	30	
2-Chloronaphthalene	0.480	0.0906	"	0.905	ND	53.0	10-129		15.3	30	
2-Chlorophenol	0.451	0.0906	"	0.905	ND	49.8	15-116		16.2	30	
2-Methylnaphthalene	0.593	0.0906	"	0.905	ND	65.5	10-147		11.4	30	
2-Methylphenol	0.477	0.0906	"	0.905	ND	52.7	10-136		15.8	30	
2-Nitroaniline	0.548	0.181	"	0.905	ND	60.6	10-137		12.3	30	
2-Nitrophenol	0.586	0.0906	"	0.905	ND	64.8	10-129		12.4	30	
3- & 4-Methylphenols	0.429	0.0906	"	0.905	ND	47.4	10-123		12.8	30	
3,3-Dichlorobenzidine	0.336	0.0906	"	0.905	ND	37.1	10-155		14.4	30	
3-Nitroaniline	0.465	0.181	"	0.905	ND	51.4	12-133		10.1	30	
4,6-Dinitro-2-methylphenol	0.550	0.181	"	0.905	ND	60.8	10-155		17.7	30	
4-Bromophenyl phenyl ether	0.515	0.0906	"	0.905	ND	56.9	14-128		18.2	30	
4-Chloro-3-methylphenol	0.580	0.0906	"	0.905	ND	64.1	10-134		8.49	30	
4-Chloroaniline	0.338	0.0906	"	0.905	ND	37.4	10-145		11.1	30	
4-Chlorophenyl phenyl ether	0.523	0.0906	"	0.905	ND	57.8	14-130		14.3	30	
4-Nitroaniline	0.525	0.181	"	0.905	ND	58.0	10-147		11.6	30	
4-Nitrophenol	0.538	0.181	"	0.905	ND	59.4	10-137		12.4	30	
Acenaphthene	0.511	0.0906	"	0.905	ND	56.5	10-146		12.9	30	
Acenaphthylene	0.581	0.0906	"	0.905	ND	64.2	10-134		1.00	30	
Acetophenone	0.474	0.0906	"	0.905	ND	52.3	10-116		13.5	30	
Aniline	0.266	0.363	"	0.905	ND	29.4	10-123		14.6	30	
Anthracene	0.555	0.0906	"	0.905	ND	61.3	10-142		11.0	30	
Atrazine	0.602	0.0906	"	0.905	ND	66.6	19-115		14.6	30	
Benzaldehyde	0.474	0.0906	"	0.905	ND	52.3	10-125		13.5	30	
Benzo(a)anthracene	0.626	0.0906	"	0.905	ND	69.1	10-158		13.7	30	
Benzo(a)pyrene	0.619	0.0906	"	0.905	ND	68.4	10-180		14.8	30	
Benzo(b)fluoranthene	0.647	0.0906	"	0.905	ND	71.5	10-200		12.7	30	
Benzo(g,h,i)perylene	0.615	0.0906	"	0.905	ND	67.9	10-138		13.9	30	
Benzo(k)fluoranthene	0.644	0.0906	"	0.905	ND	71.2	10-197		12.1	30	
Benzoic acid	0.640	0.0906	"	0.905	ND	70.7	10-166		9.69	30	
Benzyl alcohol	0.497	0.0906	"	0.905	ND	54.9	12-124		16.2	30	
Benzyl butyl phthalate	0.477	0.0906	"	0.905	ND	52.7	10-154		14.1	30	
Bis(2-chloroethoxy)methane	0.490	0.0906	"	0.905	ND	54.2	10-132		13.6	30	
Bis(2-chloroethyl)ether	0.508	0.0906	"	0.905	ND	56.2	10-119		14.4	30	
Bis(2-chloroisopropyl)ether	0.479	0.0906	"	0.905	ND	53.0	10-139		16.0	30	
Bis(2-ethylhexyl)phthalate	0.578	0.0906	"	0.905	ND	63.9	10-167		12.1	30	
Caprolactam	0.694	0.181	"	0.905	ND	76.7	10-132		5.18	30	
Carbazole	0.584	0.0906	"	0.905	ND	64.6	10-167		8.88	30	
Chrysene	0.637	0.0906	"	0.905	ND	70.4	10-156		12.5	30	
Dibenzo(a,h)anthracene	0.544	0.0906	"	0.905	ND	60.2	10-137		15.5	30	
Dibenzofuran	0.529	0.0906	"	0.905	ND	58.5	10-147		13.5	30	



Semivolatile 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 BC10821 - EPA 3546 SVOA

Matrix Spike Dup (BC10821-1) Matrix Spike Dup Source sample: 21C0427-01 (Matrix Spike Dup)						Prepared & Analyzed: 03/15/2021					
Diethyl phthalate	0.476	0.0906	mg/kg dry	0.905	ND	52.6	20-120		10.6	30	
Dimethyl phthalate	0.478	0.0906	"	0.905	ND	52.8	18-131		13.8	30	
Di-n-butyl phthalate	0.492	0.0906	"	0.905	ND	54.4	10-137		13.2	30	
Di-n-octyl phthalate	0.576	0.0906	"	0.905	ND	63.6	10-180		12.7	30	
Diphenylamine	0.607	0.181	"	0.905	ND	67.1	40-140		15.5	30	
Fluoranthene	0.706	0.0906	"	0.905	0.0843	68.7	10-160		10.5	30	
Fluorene	0.538	0.0906	"	0.905	ND	59.4	10-157		11.4	30	
Hexachlorobenzene	0.476	0.0906	"	0.905	ND	52.6	10-137		12.9	30	
Hexachlorobutadiene	0.513	0.0906	"	0.905	ND	56.7	10-132		12.2	30	
Hexachlorocyclopentadiene	0.231	0.0906	"	0.905	ND	25.5	10-106		27.6	30	
Hexachloroethane	0.384	0.0906	"	0.905	ND	42.5	10-110		17.5	30	
Indeno(1,2,3-cd)pyrene	0.573	0.0906	"	0.905	ND	63.3	10-144		16.3	30	
Isophorone	0.504	0.0906	"	0.905	ND	55.7	10-132		13.3	30	
Naphthalene	0.500	0.0906	"	0.905	ND	55.2	10-141		13.4	30	
Nitrobenzene	0.448	0.0906	"	0.905	ND	49.5	10-131		11.7	30	
N-Nitrosodimethylamine	0.445	0.0906	"	0.905	ND	49.1	10-126		10.2	30	
N-nitroso-di-n-propylamine	0.405	0.0906	"	0.905	ND	44.8	10-125		15.8	30	
N-Nitrosodiphenylamine	0.599	0.0906	"	0.905	ND	66.2	10-177		17.2	30	
Pentachlorophenol	0.539	0.0906	"	0.905	ND	59.6	10-153		9.22	30	
Phenanthrene	0.586	0.0906	"	0.905	ND	64.7	10-148		10.6	30	
Phenol	0.494	0.0906	"	0.905	ND	54.6	10-126		15.6	30	
Pyrene	0.600	0.0906	"	0.905	0.0572	60.0	10-165		12.7	30	
Pyridine	0.249	0.363	"	0.905	ND	27.5	10-83		12.3	30	
Surrogate: SURR: 2-Fluorophenol	1.04		"	1.81		57.6	20-108				
Surrogate: SURR: Phenol-d5	1.04		"	1.81		57.7	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.557		"	0.905		61.5	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.590		"	0.905		65.2	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.61		"	1.81		88.9	19-110				
Surrogate: SURR: Terphenyl-d14	0.715		"	0.905		79.0	24-116				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC10727 - EPA 3550C											
Blank (BC10727-BLK1)	Blank		Prepared & Analyzed: 03/12/2021								
1,4-Dioxane	ND	9.90	ug/kg								
Surrogate: 1,4-Dioxane-d8	277		"	495		56.0	39-127.5				
LCS (BC10727-BS1)	LCS		Prepared & Analyzed: 03/12/2021								
1,4-Dioxane	517	9.90	ug/kg	495		104	40-130				
Surrogate: 1,4-Dioxane-d8	228		"	495		46.0	39-127.5				
Matrix Spike (BC10727-MS1)	Matrix Spike	*Source sample: 21C0404-05 (Matrix Spike)		Prepared & Analyzed: 03/12/2021							
1,4-Dioxane	477	9.90	ug/kg	495	ND	96.4	40-130				
Surrogate: 1,4-Dioxane-d8	277		"	495		56.0	40-130				
Matrix Spike Dup (BC10727-MS1)	Matrix Spike Dup	*Source sample: 21C0404-05 (Matrix Spike Dup)		Prepared & Analyzed: 03/12/2021							
1,4-Dioxane	517	9.90	ug/kg	495	ND	104	40-130		7.97	30	
Surrogate: 1,4-Dioxane-d8	228		"	495		46.0	40-130				



PFAS Target compounds by LC/MS-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 BC10602 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BC10602-BLK1) Blank		Prepared: 03/10/2021 Analyzed: 03/12/2021									
Perfluorobutanesulfonic acid (PFBS)	ND	0.488	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.488	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.488	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.488	"								
Perfluorooctanoic acid (PFOA)	ND	0.488	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.488	"								
Perfluorononanoic acid (PFNA)	ND	0.488	"								
Perfluorodecanoic acid (PFDA)	ND	0.488	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.488	"								
Perfluorododecanoic acid (PFDoA)	ND	0.488	"								
Perfluorotridecanoic acid (PFTDA)	ND	0.488	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.488	"								
N-MeFOSAA	ND	0.488	"								
N-EtFOSAA	ND	0.488	"								
Perfluoropentanoic acid (PFPeA)	ND	0.488	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.488	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.488	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.488	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	0.488	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	0.488	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.488	"								
Surrogate: M3PFBS	4.29		"	4.53		94.7	25-150				
Surrogate: M5PFHxA	4.75		"	4.88		97.5	25-150				
Surrogate: M4PFHpA	3.52		"	4.88		72.1	25-150				
Surrogate: M3PFHxS	3.70		"	4.61		80.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.60		"	4.88		94.4	25-150				
Surrogate: M6PFDA	4.65		"	4.88		95.4	25-150				
Surrogate: M7PFUdA	3.49		"	4.88		71.5	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.50		"	4.88		71.7	25-150				
Surrogate: M2PFTeDA	3.35		"	4.88		68.6	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.71		"	4.88		96.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.37		"	4.67		72.2	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.65		"	4.88		95.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.92		"	4.88		80.3	10-150				
Surrogate: d3-N-MeFOSAA	2.69		"	4.88		55.2	25-150				
Surrogate: d5-N-EtFOSAA	3.20		"	4.88		65.6	25-150				
Surrogate: M2-6:2 FTS	3.78		"	4.63		81.7	25-150				
Surrogate: M2-8:2 FTS	4.94		"	4.67		106	25-150				
Surrogate: M9PFNA	5.75		"	4.88		118	25-150				



PFAS Target compounds by LC/MS-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 BC10602 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BC10602-BS1)	LCS	Prepared: 03/10/2021 Analyzed: 03/12/2021									
Perfluorobutanesulfonic acid (PFBS)	4.21	0.487	ug/kg wet	4.31		97.8	50-130				
Perfluorohexanoic acid (PFHxA)	4.21	0.487	"	4.87		86.4	50-130				
Perfluoroheptanoic acid (PFHpA)	5.62	0.487	"	4.87		115	50-130				
Perfluorohexanesulfonic acid (PFHxS)	5.75	0.487	"	4.44		130	50-130				
Perfluorooctanoic acid (PFOA)	3.98	0.487	"	4.87		81.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	6.24	0.487	"	4.51		138	60-140				
Perfluorononanoic acid (PFNA)	3.69	0.487	"	4.87		75.8	50-130				
Perfluorodecanoic acid (PFDA)	3.99	0.487	"	4.87		81.9	50-130				
Perfluoroundecanoic acid (PFUnA)	4.53	0.487	"	4.87		93.0	50-130				
Perfluorododecanoic acid (PFDoA)	4.66	0.487	"	4.87		95.8	50-130				
Perfluorotridecanoic acid (PFTeDA)	4.02	0.487	"	4.87		82.5	50-130				
Perfluorotetradecanoic acid (PFTA)	4.46	0.487	"	4.87		91.6	50-130				
N-MeFOSAA	5.80	0.487	"	4.87		119	50-130				
N-EtFOSAA	4.91	0.487	"	4.87		101	50-130				
Perfluoropentanoic acid (PFPeA)	4.93	0.487	"	4.87		101	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.81	0.487	"	4.87		98.8	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.11	0.487	"	4.62		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	5.61	0.487	"	4.70		119	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	3.89	0.487	"	4.62		84.2	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	4.97	0.487	"	4.67		106	50-130				
Perfluoro-n-butanoic acid (PFBA)	5.30	0.487	"	4.87		109	50-130				
Surrogate: M3PFBS	4.28		"	4.52		94.7	25-150				
Surrogate: M5PFHxA	4.63		"	4.87		95.1	25-150				
Surrogate: M4PFHpA	3.30		"	4.87		67.9	25-150				
Surrogate: M3PFHxS	3.57		"	4.60		77.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	4.28		"	4.87		87.9	25-150				
Surrogate: M6PFDA	4.14		"	4.87		85.0	25-150				
Surrogate: M7PFUdA	3.50		"	4.87		72.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.59		"	4.87		73.8	25-150				
Surrogate: M2PFTeDA	3.87		"	4.87		79.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.64		"	4.87		95.3	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.15		"	4.66		67.6	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.40		"	4.87		90.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.83		"	4.87		78.7	10-150				
Surrogate: d3-N-MeFOSAA	2.44		"	4.87		50.2	25-150				
Surrogate: d5-N-EtFOSAA	2.57		"	4.87		52.8	25-150				
Surrogate: M2-6:2 FTS	3.86		"	4.62		83.6	25-150				
Surrogate: M2-8:2 FTS	4.07		"	4.66		87.2	25-150				
Surrogate: M9PFNA	5.79		"	4.87		119	25-150				



PFAS Target compounds by LC/MS-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 BC10602 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BC10602-MS1)	Matrix Spike	*Source sample: 21C0404-05 (Matrix Spike)						Prepared: 03/10/2021 Analyzed: 03/12/2021			
Perfluorobutanesulfonic acid (PFBS)	4.73	0.567	ug/kg dry	5.02	ND	94.2	25-150				
Perfluorohexanoic acid (PFHxA)	4.73	0.567	"	5.67	ND	83.5	25-150				
Perfluoroheptanoic acid (PFHpA)	6.24	0.567	"	5.67	ND	110	25-150				
Perfluorohexanesulfonic acid (PFHxS)	6.51	0.567	"	5.17	ND	126	25-150				
Perfluorooctanoic acid (PFOA)	4.38	0.567	"	5.67	ND	77.2	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.54	0.567	"	5.25	ND	106	25-150				
Perfluorononanoic acid (PFNA)	4.38	0.567	"	5.67	ND	77.3	25-150				
Perfluorodecanoic acid (PFDA)	4.55	0.567	"	5.67	ND	80.2	25-150				
Perfluoroundecanoic acid (PFUnA)	5.12	0.567	"	5.67	ND	90.3	25-150				
Perfluorododecanoic acid (PFDoA)	5.28	0.567	"	5.67	ND	93.1	25-150				
Perfluorotridecanoic acid (PFTeDA)	4.22	0.567	"	5.67	ND	74.5	25-150				
Perfluorotetradecanoic acid (PFTA)	5.59	0.567	"	5.67	ND	98.7	25-150				
N-MeFOSAA	5.98	0.567	"	5.67	ND	106	25-150				
N-EtFOSAA	6.06	0.567	"	5.67	ND	107	25-150				
Perfluoropentanoic acid (PFPeA)	5.60	0.567	"	5.67	ND	98.8	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.34	0.567	"	5.67	ND	94.2	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.46	0.567	"	5.38	ND	101	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	5.24	0.567	"	5.47	ND	95.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	4.45	0.567	"	5.38	ND	82.6	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.78	0.567	"	5.44	ND	106	25-150				
Perfluoro-n-butanoic acid (PFBA)	6.37	0.567	"	5.67	ND	112	25-150				
<i>Surrogate: M3PFBS</i>	4.52		"	5.27		85.8	25-150				
<i>Surrogate: M5PFHxA</i>	5.05		"	5.67		89.1	25-150				
<i>Surrogate: M4PFHpA</i>	3.57		"	5.67		62.9	25-150				
<i>Surrogate: M3PFHxS</i>	3.68		"	5.36		68.6	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	5.12		"	5.67		90.4	25-150				
<i>Surrogate: M6PFDA</i>	4.62		"	5.67		81.4	25-150				
<i>Surrogate: M7PFUdA</i>	3.76		"	5.67		66.4	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	3.48		"	5.67		61.4	25-150				
<i>Surrogate: M2PFTeDA</i>	3.32		"	5.67		58.6	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	5.08		"	5.67		89.6	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	3.68		"	5.42		67.8	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	4.67		"	5.67		82.4	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	2.89		"	5.67		50.9	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	2.54		"	5.67		44.9	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	2.44		"	5.67		43.0	25-150				
<i>Surrogate: M2-6:2 FTS</i>	5.30		"	5.38		98.6	25-150				
<i>Surrogate: M2-8:2 FTS</i>	5.40		"	5.43		99.5	25-150				
<i>Surrogate: M9PFNA</i>	5.85		"	5.67		103	25-150				



PFAS Target compounds by LC/MS-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 BC10602 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BC10602-1) Matrix Spike Dup					Source sample: 21C0404-05 (Matrix Spike Dup)						
					Prepared: 03/10/2021 Analyzed: 03/12/2021						
Perfluorobutanesulfonic acid (PFBS)	4.73	0.563	ug/kg dry	4.98	ND	95.0	25-150		0.194	35	
Perfluorohexanoic acid (PFHxA)	4.73	0.563	"	5.63	ND	84.0	25-150		0.103	35	
Perfluoroheptanoic acid (PFHpA)	6.16	0.563	"	5.63	ND	109	25-150		1.40	35	
Perfluorohexanesulfonic acid (PFHxS)	6.29	0.563	"	5.14	ND	123	25-150		3.47	35	
Perfluorooctanoic acid (PFOA)	4.12	0.563	"	5.63	ND	73.1	25-150		6.12	35	
Perfluorooctanesulfonic acid (PFOS)	5.76	0.563	"	5.22	ND	110	25-150		3.76	35	
Perfluorononanoic acid (PFNA)	4.41	0.563	"	5.63	ND	78.3	25-150		0.590	35	
Perfluorodecanoic acid (PFDA)	4.53	0.563	"	5.63	ND	80.5	25-150		0.267	35	
Perfluoroundecanoic acid (PFUnA)	5.38	0.563	"	5.63	ND	95.6	25-150		5.06	35	
Perfluorododecanoic acid (PFDoA)	5.47	0.563	"	5.63	ND	97.2	25-150		3.60	35	
Perfluorotridecanoic acid (PFTeDA)	4.59	0.563	"	5.63	ND	81.5	25-150		8.27	35	
Perfluorotetradecanoic acid (PFTA)	5.47	0.563	"	5.63	ND	97.2	25-150		2.20	35	
N-MeFOSAA	5.98	0.563	"	5.63	ND	106	25-150		0.0444	35	
N-EtFOSAA	5.11	0.563	"	5.63	ND	90.7	25-150		17.0	35	
Perfluoropentanoic acid (PFPeA)	5.65	0.563	"	5.63	ND	100	25-150		0.966	35	
Perfluoro-1-octanesulfonamide (FOSA)	5.56	0.563	"	5.63	ND	98.7	25-150		4.06	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.59	0.563	"	5.35	ND	105	25-150		2.33	35	
Perfluoro-1-decanesulfonic acid (PFDS)	5.17	0.563	"	5.43	ND	95.1	25-150		1.44	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	5.25	0.563	"	5.35	ND	98.2	25-150		16.6	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	5.58	0.563	"	5.41	ND	103	25-150		3.63	35	
Perfluoro-n-butanoic acid (PFBA)	6.14	0.563	"	5.63	ND	109	25-150		3.69	35	
Surrogate: M3PFBS	4.22		"	5.23		80.6	25-150				
Surrogate: M5PFHxA	4.83		"	5.63		85.8	25-150				
Surrogate: M4PFHpA	3.45		"	5.63		61.3	25-150				
Surrogate: M3PFHxS	3.63		"	5.33		68.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	5.20		"	5.63		92.3	25-150				
Surrogate: M6PFDA	4.50		"	5.63		79.9	25-150				
Surrogate: M7PFUdA	3.59		"	5.63		63.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	3.24		"	5.63		57.5	25-150				
Surrogate: M2PFTeDA	3.04		"	5.63		53.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	4.92		"	5.63		87.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	3.58		"	5.39		66.5	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	4.43		"	5.63		78.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.64		"	5.63		46.9	10-150				
Surrogate: d3-N-MeFOSAA	2.41		"	5.63		42.8	25-150				
Surrogate: d5-N-EtFOSAA	2.96		"	5.63		52.6	25-150				
Surrogate: M2-6:2 FTS	4.32		"	5.34		80.9	25-150				
Surrogate: M2-8:2 FTS	5.92		"	5.40		110	25-150				
Surrogate: M9PFNA	5.51		"	5.63		97.8	25-150				



PFAS Target compounds by LC/MS-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 BC10765 - SPE Ext-PFAS-EPA 537.1M

Blank (BC10765-BLK1)		Blank		Prepared: 03/12/2021 Analyzed: 03/15/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	91.6		"	74.3		123	25-150				
Surrogate: M5PFHxA	97.2		"	80.0		122	25-150				
Surrogate: M4PFHpA	74.5		"	80.0		93.2	25-150				
Surrogate: M3PFHxS	72.1		"	75.7		95.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	97.1		"	80.0		121	25-150				
Surrogate: M6PFDA	110		"	80.0		137	25-150				
Surrogate: M7PFUdA	101		"	80.0		126	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	107		"	80.0		134	25-150				
Surrogate: M2PFTeDA	70.0		"	80.0		87.5	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	107		"	80.0		134	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	83.0		"	76.6		108	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	99.4		"	80.0		124	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	60.3		"	80.0		75.3	10-150				
Surrogate: d3-N-MeFOSAA	56.0		"	80.0		70.0	25-150				
Surrogate: d5-N-EtFOSAA	77.2		"	80.0		96.5	25-150				
Surrogate: M2-6:2 FTS	75.2		"	75.9		99.1	25-150				
Surrogate: M2-8:2 FTS	99.9		"	76.6		130	25-150				
Surrogate: M9PFNA	106		"	80.0		133	25-150				



PFAS Target compounds by LC/MS-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 BC10765 - SPE Ext-PFAS-EPA 537.1M

LCS (BC10765-BS1)	LCS	Prepared: 03/12/2021 Analyzed: 03/15/2021									
Perfluorobutanesulfonic acid (PFBS)	75.3	2.00	ng/L	70.8		106	50-130				
Perfluorohexanoic acid (PFHxA)	74.8	2.00	"	80.0		93.5	50-130				
Perfluoroheptanoic acid (PFHpA)	90.5	2.00	"	80.0		113	50-130				
Perfluorohexanesulfonic acid (PFHxS)	82.7	2.00	"	73.0		113	50-130				
Perfluorooctanoic acid (PFOA)	71.0	2.00	"	80.0		88.7	50-130				
Perfluorooctanesulfonic acid (PFOS)	83.5	2.00	"	74.1		113	50-130				
Perfluorononanoic acid (PFNA)	69.1	2.00	"	80.0		86.4	50-130				
Perfluorodecanoic acid (PFDA)	72.7	2.00	"	80.0		90.8	50-130				
Perfluoroundecanoic acid (PFUnA)	80.1	2.00	"	80.0		100	50-130				
Perfluorododecanoic acid (PFDoA)	81.5	2.00	"	80.0		102	50-130				
Perfluorotridecanoic acid (PFTriDA)	54.0	2.00	"	80.0		67.5	50-130				
Perfluorotetradecanoic acid (PFTA)	83.2	2.00	"	80.0		104	50-130				
N-MeFOSAA	96.3	2.00	"	80.0		120	50-130				
N-EtFOSAA	79.6	2.00	"	80.0		99.5	50-130				
Perfluoropentanoic acid (PFPeA)	85.4	2.00	"	80.0		107	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	86.1	2.00	"	80.0		108	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	83.5	2.00	"	76.0		110	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	89.4	2.00	"	77.2		116	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	80.8	5.00	"	76.0		106	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	89.2	2.00	"	76.8		116	50-130				
Perfluoro-n-butanoic acid (PFBA)	88.0	2.00	"	80.0		110	50-130				
Surrogate: M3PFBS	89.5		"	74.3		120	25-150				
Surrogate: M5PFHxA	97.8		"	80.0		122	25-150				
Surrogate: M4PFHpA	76.3		"	80.0		95.4	25-150				
Surrogate: M3PFHxS	78.7		"	75.7		104	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	94.7		"	80.0		118	25-150				
Surrogate: M6PFDA	95.2		"	80.0		119	25-150				
Surrogate: M7PFUdA	85.0		"	80.0		106	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	78.0		"	80.0		97.6	25-150				
Surrogate: M2PFTeDA	43.8		"	80.0		54.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	104		"	80.0		130	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	78.3		"	76.6		102	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	97.9		"	80.0		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	45.8		"	80.0		57.3	10-150				
Surrogate: d3-N-MeFOSAA	57.4		"	80.0		71.7	25-150				
Surrogate: d5-N-EtFOSAA	71.2		"	80.0		89.0	25-150				
Surrogate: M2-6:2 FTS	76.7		"	75.9		101	25-150				
Surrogate: M2-8:2 FTS	81.7		"	76.6		107	25-150				
Surrogate: M9PFNA	87.7		"	80.0		110	25-150				



PFAS Target compounds by LC/MS-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 BC10765 - SPE Ext-PFAS-EPA 537.1M

Duplicate (BC10765-DUP1)	Duplicate	*Source sample: 21C0500-01 (Duplicate)				Prepared: 03/12/2021 Analyzed: 03/15/2021					
Perfluorobutanesulfonic acid (PFBS)	ND	1.79	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	1.79	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	ND	1.79	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	1.79	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	1.79	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	1.79	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	1.79	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	1.79	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	1.79	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	1.79	"		ND					30	
Perfluorotridecanoic acid (PFTriDA)	ND	1.79	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	1.79	"		ND					30	
N-MeFOSAA	ND	1.79	"		ND					30	
N-EtFOSAA	ND	1.79	"		ND					30	
Perfluoropentanoic acid (PFPeA)	ND	1.79	"		ND					30	
Perfluoro-1-octanesulfonamide (FOSA)	ND	1.79	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	1.79	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	1.79	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	4.46	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	1.79	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	1.79	"		ND					30	
Surrogate: M3PFBS	74.9		"	66.4		113	25-150				
Surrogate: M5PFHxA	69.6		"	71.4		97.5	25-150				
Surrogate: M4PFHpA	42.1		"	71.4		58.9	25-150				
Surrogate: M3PFHxS	58.5		"	67.6		86.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	63.7		"	71.4		89.2	25-150				
Surrogate: M6PFDA	58.7		"	71.4		82.2	25-150				
Surrogate: M7PFUdA	52.0		"	71.4		72.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	55.4		"	71.4		77.5	25-150				
Surrogate: M2PFTeDA	47.0		"	71.4		65.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	98.6		"	71.4		138	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	59.3		"	68.4		86.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	75.0		"	71.4		105	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	17.4		"	71.4		24.4	10-150				
Surrogate: d3-N-MeFOSAA	35.1		"	71.4		49.1	25-150				
Surrogate: d5-N-EtFOSAA	47.1		"	71.4		65.9	25-150				
Surrogate: M2-6:2 FTS	59.9		"	67.8		88.4	25-150				
Surrogate: M2-8:2 FTS	58.4		"	68.4		85.3	25-150				
Surrogate: M9PFNA	60.5		"	71.4		84.8	25-150				



PFAS Target compounds by LC/MS-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 BC10765 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC10765-MS1)	Matrix Spike	*Source sample: 21C0501-02 (Matrix Spike)						Prepared: 03/12/2021 Analyzed: 03/15/2021			
Perfluorobutanesulfonic acid (PFBS)	58.0	1.87	ng/L	66.0	ND	87.8	25-150				
Perfluorohexanoic acid (PFHxA)	57.0	1.87	"	74.6	3.11	72.2	25-150				
Perfluoroheptanoic acid (PFHpA)	80.4	1.87	"	74.6	4.47	102	25-150				
Perfluorohexanesulfonic acid (PFHxS)	74.5	1.87	"	68.1	ND	109	25-150				
Perfluorooctanoic acid (PFOA)	62.3	1.87	"	74.6	12.0	67.5	25-150				
Perfluorooctanesulfonic acid (PFOS)	186	1.87	"	69.1	100	124	25-150				
Perfluorononanoic acid (PFNA)	46.9	1.87	"	74.6	ND	62.8	25-150				
Perfluorodecanoic acid (PFDA)	51.3	1.87	"	74.6	ND	68.8	25-150				
Perfluoroundecanoic acid (PFUnA)	56.7	1.87	"	74.6	ND	76.0	25-150				
Perfluorododecanoic acid (PFDoA)	57.0	1.87	"	74.6	ND	76.4	25-150				
Perfluorotridecanoic acid (PFTriDA)	43.8	1.87	"	74.6	ND	58.7	25-150				
Perfluorotetradecanoic acid (PFTA)	62.8	1.87	"	74.6	2.26	81.2	25-150				
N-MeFOSAA	60.4	1.87	"	74.6	ND	81.0	25-150				
N-EtFOSAA	54.9	1.87	"	74.6	ND	73.6	25-150				
Perfluoropentanoic acid (PFPeA)	65.4	1.87	"	74.6	2.73	84.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	67.5	1.87	"	74.6	ND	90.4	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	65.2	1.87	"	70.9	ND	92.0	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	74.0	1.87	"	72.0	ND	103	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	53.0	4.66	"	70.9	ND	74.7	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	55.7	1.87	"	71.6	ND	77.8	25-150				
Perfluoro-n-butanoic acid (PFBA)	68.1	1.87	"	74.6	3.28	86.9	25-150				
<i>Surrogate: M3PFBS</i>	92.3		"	69.3		133	25-150				
<i>Surrogate: M5PFHxA</i>	92.0		"	74.6		123	25-150				
<i>Surrogate: M4PFHpA</i>	57.1		"	74.6		76.6	25-150				
<i>Surrogate: M3PFHxS</i>	75.1		"	70.6		106	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	85.8		"	74.6		115	25-150				
<i>Surrogate: M6PFDA</i>	82.4		"	74.6		110	25-150				
<i>Surrogate: M7PFUdA</i>	76.6		"	74.6		103	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	74.6		"	74.6		99.9	25-150				
<i>Surrogate: M2PFTeDA</i>	64.3		"	74.6		86.1	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	112		"	74.6		151	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	70.5		"	71.4		98.8	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	96.6		"	74.6		129	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	29.3		"	74.6		39.3	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	52.3		"	74.6		70.1	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	55.2		"	74.6		74.0	25-150				
<i>Surrogate: M2-6:2 FTS</i>	76.7		"	70.8		108	25-150				
<i>Surrogate: M2-8:2 FTS</i>	93.0		"	71.5		130	25-150				
<i>Surrogate: M9PFNA</i>	77.4		"	74.6		104	25-150				



Organochlorine Pesticides by GC/ECD - 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 BC10861 - EPA 3550C

Blank (BC10861-BLK1)	Blank		Prepared: 03/15/2021 Analyzed: 03/16/2021								
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Chlordane, total	ND	0.0329	"								
Surrogate: Decachlorobiphenyl	0.0681		"	0.0664		102	30-150				
Surrogate: Tetrachloro-m-xylene	0.0598		"	0.0664		90.0	30-150				

LCS (BC10861-BS1)	LCS		Prepared: 03/15/2021 Analyzed: 03/16/2021								
4,4'-DDD	0.0396	0.00164	mg/kg wet	0.0332		119	40-140				
4,4'-DDE	0.0380	0.00164	"	0.0332		114	40-140				
4,4'-DDT	0.0284	0.00164	"	0.0332		85.6	40-140				
Aldrin	0.0362	0.00164	"	0.0332		109	40-140				
alpha-BHC	0.0340	0.00164	"	0.0332		102	40-140				
alpha-Chlordane	0.0347	0.00164	"	0.0332		104	40-140				
beta-BHC	0.0324	0.00164	"	0.0332		97.4	40-140				
delta-BHC	0.0345	0.00164	"	0.0332		104	40-140				
Dieldrin	0.0362	0.00164	"	0.0332		109	40-140				
Endosulfan I	0.0427	0.00164	"	0.0332		129	40-140				
Endosulfan II	0.0379	0.00164	"	0.0332		114	40-140				
Endosulfan sulfate	0.0390	0.00164	"	0.0332		117	40-140				
Endrin	0.0351	0.00164	"	0.0332		106	40-140				
Endrin aldehyde	0.0386	0.00164	"	0.0332		116	40-140				
Endrin ketone	0.0364	0.00164	"	0.0332		110	40-140				
gamma-BHC (Lindane)	0.0352	0.00164	"	0.0332		106	40-140				
gamma-Chlordane	0.0357	0.00164	"	0.0332		107	40-140				
Heptachlor	0.0373	0.00164	"	0.0332		112	40-140				
Heptachlor epoxide	0.0373	0.00164	"	0.0332		112	40-140				
Methoxychlor	0.0269	0.00164	"	0.0332		81.1	40-140				
Surrogate: Decachlorobiphenyl	0.0596		"	0.0664		89.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.0508		"	0.0664		76.4	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC10861 - EPA 3550C

Matrix Spike (BC10861-MS1)	Matrix Spike	*Source sample: 21C0507-06 (Matrix Spike)						Prepared: 03/15/2021 Analyzed: 03/17/2021			
4,4'-DDD	0.0560	0.00191	mg/kg dry	0.0385	ND	145	30-150				
4,4'-DDE	0.0391	0.00191	"	0.0385	ND	102	30-150				
4,4'-DDT	0.0250	0.00191	"	0.0385	ND	64.9	30-150				
Aldrin	0.0489	0.00191	"	0.0385	ND	127	30-150				
alpha-BHC	0.0477	0.00191	"	0.0385	ND	124	30-150				
alpha-Chlordane	0.0494	0.00191	"	0.0385	ND	128	30-150				
beta-BHC	0.0453	0.00191	"	0.0385	ND	118	30-150				
delta-BHC	0.0495	0.00191	"	0.0385	ND	128	30-150				
Dieldrin	0.0498	0.00191	"	0.0385	ND	129	30-150				
Endosulfan I	0.0540	0.00191	"	0.0385	ND	140	30-150				
Endosulfan II	0.0512	0.00191	"	0.0385	ND	133	30-150				
Endosulfan sulfate	0.0494	0.00191	"	0.0385	ND	128	30-150				
Endrin	0.0453	0.00191	"	0.0385	ND	118	30-150				
Endrin aldehyde	0.0429	0.00191	"	0.0385	ND	111	30-150				
Endrin ketone	0.0475	0.00191	"	0.0385	ND	123	30-150				
gamma-BHC (Lindane)	0.0492	0.00191	"	0.0385	ND	128	30-150				
gamma-Chlordane	0.0507	0.00191	"	0.0385	ND	132	30-150				
Heptachlor	0.0503	0.00191	"	0.0385	ND	130	30-150				
Heptachlor epoxide	0.0509	0.00191	"	0.0385	ND	132	30-150				
Methoxychlor	0.0240	0.00191	"	0.0385	ND	62.3	30-150				
Surrogate: Decachlorobiphenyl	0.0846		"	0.0771		110	30-150				
Surrogate: Tetrachloro-m-xylene	0.0736		"	0.0771		95.5	30-150				

Matrix Spike Dup (BC10861-1)	Matrix Spike Dup	*Source sample: 21C0507-06 (Matrix Spike Dup)						Prepared: 03/15/2021 Analyzed: 03/17/2021			
4,4'-DDD	0.0542	0.00191	mg/kg dry	0.0385	ND	141	30-150	3.20	30		
4,4'-DDE	0.0398	0.00191	"	0.0385	ND	103	30-150	1.69	30		
4,4'-DDT	0.0296	0.00191	"	0.0385	ND	76.8	30-150	16.9	30		
Aldrin	0.0489	0.00191	"	0.0385	ND	127	30-150	0.0276	30		
alpha-BHC	0.0481	0.00191	"	0.0385	ND	125	30-150	0.845	30		
alpha-Chlordane	0.0500	0.00191	"	0.0385	ND	130	30-150	1.24	30		
beta-BHC	0.0460	0.00191	"	0.0385	ND	119	30-150	1.49	30		
delta-BHC	0.0496	0.00191	"	0.0385	ND	129	30-150	0.385	30		
Dieldrin	0.0503	0.00191	"	0.0385	ND	131	30-150	0.966	30		
Endosulfan I	0.0541	0.00191	"	0.0385	ND	140	30-150	0.0819	30		
Endosulfan II	0.0520	0.00191	"	0.0385	ND	135	30-150	1.66	30		
Endosulfan sulfate	0.0514	0.00191	"	0.0385	ND	133	30-150	3.97	30		
Endrin	0.0466	0.00191	"	0.0385	ND	121	30-150	2.78	30		
Endrin aldehyde	0.0505	0.00191	"	0.0385	ND	131	30-150	16.3	30		
Endrin ketone	0.0481	0.00191	"	0.0385	ND	125	30-150	1.21	30		
gamma-BHC (Lindane)	0.0498	0.00191	"	0.0385	ND	129	30-150	1.18	30		
gamma-Chlordane	0.0514	0.00191	"	0.0385	ND	134	30-150	1.38	30		
Heptachlor	0.0502	0.00191	"	0.0385	ND	130	30-150	0.0959	30		
Heptachlor epoxide	0.0513	0.00191	"	0.0385	ND	133	30-150	0.713	30		
Methoxychlor	0.0298	0.00191	"	0.0385	ND	77.5	30-150	21.6	30		
Surrogate: Decachlorobiphenyl	0.0869		"	0.0771		113	30-150				
Surrogate: Tetrachloro-m-xylene	0.0744		"	0.0771		96.5	30-150				



Organochlorine Pesticides by GC/ECD - 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 Y0L0501 - BL00027

Performance Mix (Y0L0501-P Performance Mix

Prepared & Analyzed: 12/05/2020

4,4'-DDD	4.16		ng/mL	0.00			0-200			
4,4'-DDE	1.04		"	0.00			0-200			
4,4'-DDT	182		"	200		91.2	0-200			
Endrin	97.9		"	100		97.9	0-200			
Endrin aldehyde	1.33		"	0.00			0-200			
Endrin ketone	2.35		"	0.00			0-200			

Batch Y1C1820 - BC10491

Performance Mix (Y1C1820-F Performance Mix

Prepared & Analyzed: 03/16/2021

4,4'-DDD	23.0		ng/mL	0.00			0-200			
4,4'-DDE	1.19		"	0.00			0-200			
4,4'-DDT	189		"	200		94.3	0-200			
Endrin	118		"	100		118	0-200			
Endrin aldehyde	0.577		"	0.00			0-200			
Endrin ketone	6.92		"	0.00			0-200			

Performance Mix (Y1C1820-F Performance Mix

Prepared: 03/16/2021 Analyzed: 03/17/2021

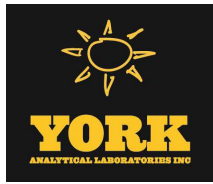
4,4'-DDD	25.3		ng/mL	0.00			0-200			
4,4'-DDE	0.953		"	0.00			0-200			
4,4'-DDT	192		"	200		96.2	0-200			
Endrin	127		"	100		127	0-200			
Endrin aldehyde	0.590		"	0.00			0-200			
Endrin ketone	10.7		"	0.00			0-200			



Polychlorinated Biphenyls by GC/ECD - 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 BC10861 - EPA 3550C											
Blank (BC10861-BLK2)	Blank										Prepared: 03/15/2021 Analyzed: 03/16/2021
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Aroclor 1262	ND	0.0166	"								
Aroclor 1268	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0522		"	0.0664		78.5	30-120				
Surrogate: Decachlorobiphenyl	0.0425		"	0.0664		64.0	30-120				
LCS (BC10861-BS2)	LCS										Prepared: 03/15/2021 Analyzed: 03/16/2021
Aroclor 1016	0.251	0.0166	mg/kg wet	0.332		75.6	40-130				
Aroclor 1260	0.268	0.0166	"	0.332		80.8	40-130				
Surrogate: Tetrachloro-m-xylene	0.0538		"	0.0664		81.0	30-120				
Surrogate: Decachlorobiphenyl	0.0405		"	0.0664		61.0	30-120				
Matrix Spike (BC10861-MS2)	Matrix Spike	*Source sample: 21C0507-06 (Matrix Spike)								Prepared: 03/15/2021 Analyzed: 03/16/2021	
Aroclor 1016	0.267	0.0193	mg/kg dry	0.385	ND	69.3	40-140				
Aroclor 1260	0.263	0.0193	"	0.385	ND	68.3	40-140				
Surrogate: Tetrachloro-m-xylene	0.0574		"	0.0771		74.5	30-120				
Surrogate: Decachlorobiphenyl	0.0458		"	0.0771		59.5	30-120				
Matrix Spike Dup (BC10861-1)	Matrix Spike Dup	*Source sample: 21C0507-06 (Matrix Spike Dup)								Prepared: 03/15/2021 Analyzed: 03/16/2021	
Aroclor 1016	0.284	0.0193	mg/kg dry	0.385	ND	73.6	40-140		6.02	50	
Aroclor 1260	0.271	0.0193	"	0.385	ND	70.3	40-140		2.97	50	
Surrogate: Tetrachloro-m-xylene	0.0574		"	0.0771		74.5	30-120				
Surrogate: Decachlorobiphenyl	0.0447		"	0.0771		58.0	30-120				



Polychlorinated Biphenyls by GC/ECD - 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 Y1C1637 - BC10896

Aroclor Reference (Y1C1637-) Aroclor Reference

Prepared & Analyzed: 03/16/2021

Surrogate: Tetrachloro-m-xylene	0.235		ug/mL	0.200		118					
Surrogate: Decachlorobiphenyl	0.247		"	0.200		124					



Chlorinated Herbicides by GC/ECD - 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 BC10819 - EPA 3550C/8151A

Blank (BC10819-BLK1)	Blank								Prepared & Analyzed: 03/15/2021		
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.341		"	0.415		82.0	21-150				

LCS (BC10819-BS1)	LCS								Prepared & Analyzed: 03/15/2021		
2,4,5-T	0.0814	0.0199	mg/kg wet	0.133		61.2	10-120				
2,4,5-TP (Silvex)	0.0963	0.0199	"	0.133		72.5	10-120				
2,4-D	0.0880	0.0199	"	0.133		66.2	10-118				

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.419		"	0.415		101	21-150				

Matrix Spike (BC10819-MS1)	Matrix Spike	*Source sample: 21C0419-02 (Matrix Spike)							Prepared & Analyzed: 03/15/2021		
2,4,5-T	ND	0.0201	mg/kg dry	0.134	ND		10-120	Low Bias			
2,4,5-TP (Silvex)	ND	0.0201	"	0.134	ND		10-120	Low Bias			
2,4-D	ND	0.0201	"	0.134	ND		10-118	Low Bias			

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.138		"	0.419		33.0	21-150				

Matrix Spike Dup (BC10819-MS1)	Matrix Spike Dup	*Source sample: 21C0419-02 (Matrix Spike Dup)							Prepared & Analyzed: 03/15/2021		
2,4,5-T	ND	0.0201	mg/kg dry	0.134	ND		10-120	Low Bias		35	
2,4,5-TP (Silvex)	ND	0.0201	"	0.134	ND		10-120	Low Bias		35	
2,4-D	ND	0.0201	"	0.134	ND		10-118	Low Bias		35	

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.112		"	0.419		26.8	21-150				

Batch BC10895 - EPA 3550C/8151A

Blank (BC10895-BLK1)	Blank								Prepared & Analyzed: 03/16/2021		
2,4,5-T	ND	0.0200	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0200	"								
2,4-D	ND	0.0200	"								

Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.325		"	0.417		78.0	21-150				



Chlorinated Herbicides by GC/ECD - 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 BC10895 - EPA 3550C/8151A											
LCS (BC10895-BS1)	LCS						Prepared & Analyzed: 03/16/2021				
2,4,5-T	0.0692	0.0200	mg/kg wet	0.133		51.9	10-120				
2,4,5-TP (Silvex)	0.0817	0.0200	"	0.133		61.3	10-120				
2,4-D	0.0742	0.0200	"	0.133		55.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.334		"	0.417		80.2	21-150				
LCS Dup (BC10895-BSD1)	LCS Dup						Prepared & Analyzed: 03/16/2021				
2,4,5-T	0.0725	0.0200	mg/kg wet	0.133		54.4	10-120		4.71	30	
2,4,5-TP (Silvex)	0.0867	0.0200	"	0.133		65.0	10-120		5.94	30	
2,4-D	0.0767	0.0200	"	0.133		57.5	10-118		3.31	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.368		"	0.417		88.2	21-150				
Matrix Spike (BC10895-MS1)	Matrix Spike	*Source sample: 21C0496-02 (Matrix Spike)						Prepared & Analyzed: 03/16/2021			
2,4,5-T	0.0797	0.0222	mg/kg dry	0.148	ND	53.7	10-120				
2,4,5-TP (Silvex)	0.0871	0.0222	"	0.148	ND	58.7	10-120				
2,4-D	0.0862	0.0222	"	0.148	ND	58.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.391		"	0.463		84.4	21-150				



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

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

Batch BC10804 - EPA 3050B

Blank (BC10804-BLK1)	Blank										Prepared: 03/12/2021 Analyzed: 03/15/2021	
Aluminum	ND	5.00	mg/kg wet									
Antimony	ND	2.50	"									
Arsenic	ND	1.50	"									
Barium	ND	2.50	"									
Beryllium	ND	0.050	"									
Cadmium	ND	0.300	"									
Calcium	106	5.00	"									
Chromium	ND	0.500	"									
Cobalt	ND	0.400	"									
Copper	ND	2.00	"									
Iron	ND	25.0	"									
Lead	ND	0.500	"									
Magnesium	ND	5.00	"									
Manganese	ND	0.500	"									
Nickel	ND	1.00	"									
Potassium	7.67	5.00	"									
Selenium	ND	2.50	"									
Silver	ND	0.500	"									
Sodium	ND	50.0	"									
Thallium	ND	2.50	"									
Vanadium	ND	1.00	"									
Zinc	7.92	2.50	"									

Duplicate (BC10804-DUP1)	Duplicate	*Source sample: 21C0637-21 (Duplicate)				Prepared: 03/12/2021 Analyzed: 03/15/2021		
Aluminum		14800	5.90	mg/kg dry	14500		1.78	35
Antimony		ND	2.95	"	ND			35
Arsenic		5.51	1.77	"	5.01		9.50	35
Barium		48.2	2.95	"	50.5		4.71	35
Beryllium		0.468	0.059	"	0.447		4.71	35
Cadmium		ND	0.354	"	ND			35
Calcium		3260	5.90	"	4520		32.3	35
Chromium		17.5	0.590	"	16.7		4.53	35
Cobalt		14.1	0.472	"	12.9		8.60	35
Copper		27.6	2.36	"	27.6		0.224	35
Iron		29800	29.5	"	28500		4.40	35
Lead		15.3	0.590	"	16.5		7.50	35
Magnesium		4780	5.90	"	4600		4.00	35
Manganese		573	0.590	"	545		4.99	35
Nickel		26.8	1.18	"	25.8		3.85	35
Potassium		1260	5.90	"	1360		7.49	35
Selenium		ND	2.95	"	ND			35
Silver		ND	0.590	"	ND			35
Sodium		ND	59.0	"	ND			35
Thallium		ND	2.95	"	ND			35
Vanadium		20.3	1.18	"	20.5		0.846	35
Zinc		76.3	2.95	"	79.4		4.06	35



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

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

Batch BC10804 - EPA 3050B

Matrix Spike (BC10804-MS1)	Matrix Spike	*Source sample: 21C0637-21 (Matrix Spike)						Prepared: 03/12/2021 Analyzed: 03/15/2021			
Aluminum	15600	5.90	mg/kg dry	236	14500	446	75-125	High Bias			
Antimony	9.48	2.95	"	29.5	ND	32.1	75-125	Low Bias			
Arsenic	258	1.77	"	236	5.01	107	75-125				
Barium	303	2.95	"	236	50.5	107	75-125				
Beryllium	6.86	0.059	"	5.90	0.447	109	75-125				
Cadmium	6.74	0.354	"	5.90	ND	114	75-125				
Calcium	3050	5.90	"	118	4520	NR	75-125	Low Bias			
Chromium	42.2	0.590	"	23.6	16.7	108	75-125				
Cobalt	78.4	0.472	"	59.0	12.9	111	75-125				
Copper	60.6	2.36	"	29.5	27.6	112	75-125				
Iron	31800	29.5	"	118	28500	NR	75-125	High Bias			
Lead	79.3	0.590	"	59.0	16.5	106	75-125				
Magnesium	5230	5.90	"	118	4600	534	75-125	High Bias			
Manganese	596	0.590	"	59.0	545	87.7	75-125				
Nickel	92.7	1.18	"	59.0	25.8	113	75-125				
Potassium	1140	5.90	"	118	1360	NR	75-125	Low Bias			
Selenium	206	2.95	"	236	ND	87.5	75-125				
Silver	6.65	0.590	"	5.90	ND	113	75-125				
Sodium	148	59.0	"	118	ND	125	75-125				
Thallium	255	2.95	"	236	ND	108	75-125				
Vanadium	80.9	1.18	"	59.0	20.5	102	75-125				
Zinc	163	2.95	"	59.0	79.4	142	75-125	High Bias			

Post Spike (BC10804-PS1)	Post Spike	*Source sample: 21C0637-21 (Post Spike)						Prepared: 03/12/2021 Analyzed: 03/15/2021			
Aluminum	140		ug/mL	2.00	123	861	75-125	High Bias			
Antimony	0.304		"	0.250	-0.009	122	75-125				
Arsenic	2.27		"	2.00	0.042	112	75-125				
Barium	2.68		"	2.00	0.428	112	75-125				
Beryllium	0.058		"	0.0500	0.004	108	75-125				
Cadmium	0.058		"	0.0500	0.002	113	75-125				
Calcium	43.4		"	1.00	38.3	514	75-125	High Bias			
Chromium	0.365		"	0.200	0.142	111	75-125				
Cobalt	0.681		"	0.500	0.110	114	75-125				
Copper	0.528		"	0.250	0.233	118	75-125				
Iron	269		"	1.00	242	NR	75-125	High Bias			
Lead	0.727		"	0.500	0.139	118	75-125				
Magnesium	44.2		"	1.00	39.0	525	75-125	High Bias			
Manganese	5.59		"	0.500	4.62	194	75-125	High Bias			
Nickel	0.806		"	0.500	0.219	117	75-125				
Potassium	14.3		"	1.00	11.5	281	75-125	High Bias			
Selenium	1.86		"	2.00	-0.199	93.0	75-125				
Silver	0.019		"	0.0500	-0.003	37.2	75-125	Low Bias			
Sodium	1.30		"	1.00	0.346	95.4	75-125				
Thallium	2.21		"	2.00	-0.035	111	75-125				
Vanadium	0.725		"	0.500	0.173	110	75-125				
Zinc	1.26		"	0.500	0.673	117	75-125				



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

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

Batch BC10804 - EPA 3050B

Reference (BC10804-SRM1)	Reference	Prepared: 03/12/2021 Analyzed: 03/15/2021									
Aluminum	8340	5.00	mg/kg wet	8190		102	50.5-150.1				
Antimony	66.1	2.50	"	110		60.1	19-251.7				
Arsenic	158	1.50	"	162		97.3	70.1-129.8				
Barium	133	2.50	"	138		96.6	75-125				
Beryllium	143	0.050	"	157		91.3	75-125.2				
Cadmium	130	0.300	"	135		96.1	74.8-125.2				
Calcium	4560	5.00	"	4790		95.1	72.7-127.5				
Chromium	108	0.500	"	117		91.9	70.1-129.9				
Cobalt	88.3	0.400	"	92.6		95.4	75-125				
Copper	134	2.00	"	143		94.0	75.3-125.3				
Iron	13700	25.0	"	15100		90.8	35.8-164.6				
Lead	70.6	0.500	"	77.6		91.0	70-130				
Magnesium	2250	5.00	"	2320		97.2	61.7-137.8				
Manganese	295	0.500	"	319		92.5	78.1-122				
Nickel	82.7	1.00	"	79.9		104	70.1-130.1				
Potassium	2110	5.00	"	2050		103	59.1-140.9				
Selenium	142	2.50	"	172		82.7	55.7-144.5				
Silver	22.8	0.500	"	24.7		92.4	69.2-130.8				
Sodium	130	50.0	"	137		95.1	36.1-163.3				
Thallium	83.4	2.50	"	88.0		94.7	65.3-146.8				
Vanadium	92.5	1.00	"	99.9		92.6	67-133.1				
Zinc	300	2.50	"	312		96.1	69.9-130.1				



Mercury by EPA 7000/200 Series Methods - 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 BC10944 - EPA 7473 soil											
Blank (BC10944-BLK1)	Blank								Prepared & Analyzed: 03/16/2021		
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC10944-DUP1)	Duplicate	*Source sample: 21C0597-20 (Duplicate)							Prepared: 03/16/2021 Analyzed: 03/17/2021		
Mercury	0.130	0.0329	mg/kg dry		0.150				14.4	35	
Matrix Spike (BC10944-MS1)	Matrix Spike	*Source sample: 21C0597-20 (Matrix Spike)							Prepared: 03/16/2021 Analyzed: 03/17/2021		
Mercury	0.594		mg/kg	0.500	0.137	91.4	75-125				
Reference (BC10944-SRM1)	Reference								Prepared & Analyzed: 03/16/2021		
Mercury	27.699		mg/kg	27.2		102	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BC10696 - Analysis Preparation Soil

Blank (BC10696-BLK1)	Blank								Prepared & Analyzed: 03/11/2021		
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BC10696-DUP1)	Duplicate	*Source sample: 21B0935-49 (Duplicate)							Prepared & Analyzed: 03/11/2021		
Cyanide, total	ND	0.578	mg/kg dry		ND					15	
Matrix Spike (BC10696-MS1)	Matrix Spike	*Source sample: 21B0935-49 (Matrix Spike)							Prepared & Analyzed: 03/11/2021		
Cyanide, total	11.0	0.578	mg/kg dry	11.6	ND	95.4	79.6-107				
Reference (BC10696-SRM1)	Reference								Prepared & Analyzed: 03/11/2021		
Cyanide, total	106		ug/mL	91.9		115	42.22-159.96				

Batch BC10699 - EPA SW846-3060

Blank (BC10699-BLK1)	Blank								Prepared & Analyzed: 03/11/2021		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BC10699-DUP1)	Duplicate	*Source sample: 21B0935-49 (Duplicate)							Prepared & Analyzed: 03/11/2021		
Chromium, Hexavalent	ND	0.578	mg/kg dry		ND					35	
Matrix Spike (BC10699-MS1)	Matrix Spike	*Source sample: 21B0935-49 (Matrix Spike)							Prepared & Analyzed: 03/11/2021		
Chromium, Hexavalent	0.416	0.578	mg/kg dry	23.1	ND	1.80	75-125	Low Bias			
Reference (BC10699-SRM1)	Reference								Prepared & Analyzed: 03/11/2021		
Chromium, Hexavalent	93.2		mg/L	50.0		186	0-200				

Batch BC10830 - Analysis Preparation Soil

Blank (BC10830-BLK1)	Blank								Prepared & Analyzed: 03/15/2021		
Cyanide, total	ND	0.500	mg/kg wet								



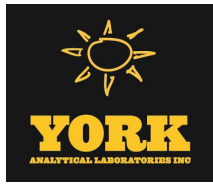
Wet Chemistry Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10830 - Analysis Preparation Soil

Duplicate (BC10830-DUP1)	Duplicate	*Source sample: 21C0653-01 (Duplicate)						Prepared & Analyzed: 03/15/2021			
Cyanide, total	ND	0.749	mg/kg dry		ND					15	
Matrix Spike (BC10830-MS1)	Matrix Spike	*Source sample: 21C0653-01 (Matrix Spike)						Prepared & Analyzed: 03/15/2021			
Cyanide, total	12.6	0.749	mg/kg dry	15.0	ND	84.3	79.6-107				
Reference (BC10830-SRM1)	Reference							Prepared & Analyzed: 03/15/2021			
Cyanide, total	45.5		ug/mL	91.9		49.5	42.22-159.96				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10741 - % Solids Prep

Duplicate (BC10741-DUP1)	Duplicate	*Source sample: 21C0571-02 (Duplicate)					Prepared & Analyzed: 03/12/2021		
% Solids		87.2	0.100	%		86.9		0.448	20



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0454-04	SB10_0-2	40mL Vial with Stir Bar-Cool 4° C
21C0454-05	SB10_13-15	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21C0454-06	SB10_22-24	40mL Vial with Stir Bar-Cool 4° C



Sample and Data Qualifiers Relating to This Work Order

S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
S-08	The recovery of this surrogate was outside of QC limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
GC-90	Chromatogram is similar to a Coal Tar product.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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.

Corrective Action: Sample collection dates were not listed on the COC.

Revision Description: The report has been revised for qualifier and qualitative identification for Petroleum Identification data.

Field Chain-of-Custody Record

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

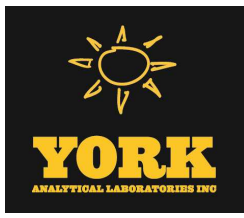
YORK Project No.

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Page of

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Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/17/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0455

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/17/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0455

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 09, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0455-01	SV03_030921	Soil Vapor	03/09/2021	03/09/2021
21C0455-02	SV09_030921	Soil Vapor	03/09/2021	03/09/2021
21C0455-03	SVDUP01_030921	Soil Vapor	03/09/2021	03/09/2021

General Notes for York Project (SDG) No.: 21C0455

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: 03/17/2021





Sample Information

Client Sample ID: SV03_030921

York Sample ID: 21C0455-01

York Project (SDG) No.

21C0455

Client Project ID

170430001

Matrix

Soil Vapor

Collection Date/Time

March 9, 2021 12:00 am

Date Received

03/09/2021

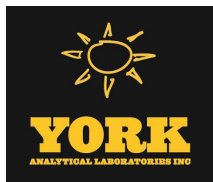
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	2.3	3.366	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 14:58	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	1.8	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	2.3	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	2.6	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	1.8	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	1.4	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.33	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	2.5	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
95-63-6	1,2,4-Trimethylbenzene	4.0		ug/m ³	1.7	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	2.6	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	2.0	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	1.4	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	1.6	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	2.4	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	1.7	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	2.2	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	2.0	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	1.6	3.366	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 14:58	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	2.0	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	2.4	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
78-93-3	2-Butanone	400		ug/m ³	0.99	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ



Sample Information

Client Sample ID: SV03_030921

York Sample ID: 21C0455-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0455

170430001

Soil Vapor

March 9, 2021 12:00 am

03/09/2021

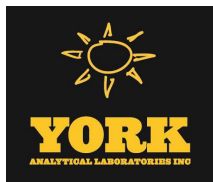
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	64		ug/m ³	2.8	3.366	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 14:58	LLJ
107-05-1	3-Chloropropene	ND		ug/m ³	5.3	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	1.4	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
67-64-1	Acetone	120		ug/m ³	1.6	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	0.73	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
71-43-2	Benzene	140		ug/m ³	1.1	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	1.7	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	2.3	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-25-2	Bromoform	ND		ug/m ³	3.5	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
74-83-9	Bromomethane	ND		ug/m ³	1.3	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-15-0	Carbon disulfide	13		ug/m ³	1.0	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
56-23-5	Carbon tetrachloride	0.64		ug/m ³	0.53	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	1.5	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-00-3	Chloroethane	ND		ug/m ³	0.89	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
67-66-3	Chloroform	ND		ug/m ³	1.6	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
74-87-3	Chloromethane	2.1		ug/m ³	0.70	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.33	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
110-82-7	Cyclohexane	210		ug/m ³	1.2	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	2.9	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-71-8	Dichlorodifluoromethane	2.5		ug/m ³	1.7	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	2.4	3.366	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 14:58	LLJ



Sample Information

Client Sample ID: SV03_030921

York Sample ID: 21C0455-01

York Project (SDG) No.

21C0455

Client Project ID

170430001

Matrix

Soil Vapor

Collection Date/Time

March 9, 2021 12:00 am

Date Received

03/09/2021

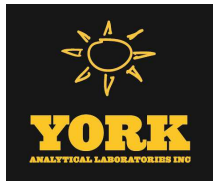
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	14		ug/m ³	1.5	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
87-68-3	Hexachlorobutadiene	ND		ug/m ³	3.6	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
67-63-0	Isopropanol	4.4		ug/m ³	1.7	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	1.4	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	1.2	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-09-2	Methylene chloride	26		ug/m ³	2.3	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
142-82-5	n-Heptane	100		ug/m ³	1.4	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
110-54-3	n-Hexane	380		ug/m ³	1.2	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
95-47-6	o-Xylene	27		ug/m ³	1.5	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
179601-23-1	p- & m- Xylenes	47		ug/m ³	2.9	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
622-96-8	* p-Ethyltoluene	4.0		ug/m ³	1.7	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
115-07-1	* Propylene	48		ug/m ³	0.58	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
100-42-5	Styrene	4.2		ug/m ³	1.4	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
127-18-4	Tetrachloroethylene	37		ug/m ³	2.3	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	2.0	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
108-88-3	Toluene	18		ug/m ³	1.3	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	1.3	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	1.5	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	0.45	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	1.9		ug/m ³	1.9	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	1.2	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	1.5	3.366	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 14:58	LLJ



Sample Information

Client Sample ID: SV03_030921

York Sample ID: 21C0455-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0455

170430001

Soil Vapor

March 9, 2021 12:00 am

03/09/2021

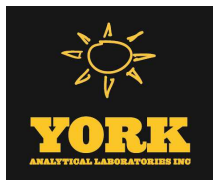
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.43	3.366	EPA TO-15	03/15/2021 21:00	03/16/2021 14:58	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		



Sample Information

Client Sample ID: SV09_030921

York Sample ID: 21C0455-02

York Project (SDG) No.
21C0455

Client Project ID
170430001

Matrix
Soil Vapor

Collection Date/Time
March 9, 2021 12:00 am

Date Received
03/09/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	12	16.83	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 15:55	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	9.2	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	12	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	13	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	9.2	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	6.8	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	1.7	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	12	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	8.3	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	13	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	10	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	6.8	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	7.8	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	12	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	8.3	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	11	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	10	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	7.8	16.83	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 15:55	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	10	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	12	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
78-93-3	2-Butanone	6700		ug/m ³	25	84.15	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 16:51	LLJ
591-78-6	* 2-Hexanone	420		ug/m ³	14	16.83	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 15:55	LLJ



Sample Information

Client Sample ID: SV09_030921

York Sample ID: 21C0455-02

York Project (SDG) No.
21C0455

Client Project ID
170430001

Matrix
Soil Vapor

Collection Date/Time
March 9, 2021 12:00 am

Date Received
03/09/2021

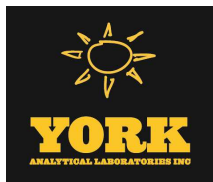
Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	26	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	6.9	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
67-64-1	Acetone	1300		ug/m ³	8.0	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	3.7	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
71-43-2	Benzene	ND		ug/m ³	5.4	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	8.7	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	11	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-25-2	Bromoform	ND		ug/m ³	17	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
74-83-9	Bromomethane	ND		ug/m ³	6.5	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-15-0	Carbon disulfide	ND		ug/m ³	5.2	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	2.6	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	7.7	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-00-3	Chloroethane	ND		ug/m ³	4.4	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
67-66-3	Chloroform	ND		ug/m ³	8.2	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
74-87-3	Chloromethane	ND		ug/m ³	3.5	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	1.7	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	7.6	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
110-82-7	Cyclohexane	8.7		ug/m ³	5.8	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	14	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	8.3	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	12	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
100-41-4	Ethyl Benzene	8.0		ug/m ³	7.3	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ



Sample Information

Client Sample ID: SV09_030921

York Sample ID: 21C0455-02

York Project (SDG) No.

21C0455

Client Project ID

170430001

Matrix

Soil Vapor

Collection Date/Time

March 9, 2021 12:00 am

Date Received

03/09/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	18	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
67-63-0	Isopropanol	22		ug/m ³	8.3	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	6.9	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	6.1	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-09-2	Methylene chloride	ND		ug/m ³	12	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
142-82-5	n-Heptane	41		ug/m ³	6.9	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
110-54-3	n-Hexane	38		ug/m ³	5.9	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
95-47-6	o-Xylene	28		ug/m ³	7.3	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
179601-23-1	p- & m- Xylenes	35		ug/m ³	15	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	8.3	16.83	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 15:55	LLJ
115-07-1	* Propylene	430		ug/m ³	2.9	16.83	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 15:55	LLJ
100-42-5	Styrene	ND		ug/m ³	7.2	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
127-18-4	Tetrachloroethylene	62		ug/m ³	11	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	9.9	16.83	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 15:55	LLJ
108-88-3	Toluene	11		ug/m ³	6.3	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	6.7	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	7.6	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	2.3	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	9.5	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	5.9	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	7.4	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	2.2	16.83	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 15:55	LLJ



Sample Information

Client Sample ID: SV09_030921

York Sample ID: 21C0455-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

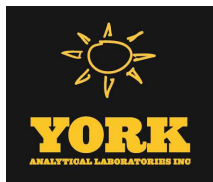
21C0455

170430001

Soil Vapor

March 9, 2021 12:00 am

03/09/2021



Sample Information

Client Sample ID: SVDUP01_030921

York Sample ID: 21C0455-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0455

170430001

Soil Vapor

March 9, 2021 12:00 am

03/09/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	6.0	8.725	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 17:48	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	4.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	6.0	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	6.7	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	4.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m ³	3.5	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.86	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	6.5	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m ³	4.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m ³	6.7	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	5.2	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m ³	3.5	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m ³	4.0	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	6.1	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m ³	4.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
106-99-0	1,3-Butadiene	ND		ug/m ³	5.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	5.2	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	4.0	8.725	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 17:48	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	5.2	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
123-91-1	1,4-Dioxane	ND		ug/m ³	6.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
78-93-3	2-Butanone	430		ug/m ³	2.6	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
591-78-6	* 2-Hexanone	68		ug/m ³	7.1	8.725	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 17:48	LLJ



Sample Information

Client Sample ID: SVDUP01_030921

York Sample ID: 21C0455-03

York Project (SDG) No.
21C0455

Client Project ID
170430001

Matrix
Soil Vapor

Collection Date/Time
March 9, 2021 12:00 am

Date Received
03/09/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m ³	14	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	3.6	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
67-64-1	Acetone	130		ug/m ³	4.1	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
107-13-1	Acrylonitrile	ND		ug/m ³	1.9	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
71-43-2	Benzene	120		ug/m ³	2.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
100-44-7	Benzyl chloride	ND		ug/m ³	4.5	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-27-4	Bromodichloromethane	ND		ug/m ³	5.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-25-2	Bromoform	ND		ug/m ³	9.0	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
74-83-9	Bromomethane	ND		ug/m ³	3.4	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-15-0	Carbon disulfide	13		ug/m ³	2.7	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m ³	1.4	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
108-90-7	Chlorobenzene	ND		ug/m ³	4.0	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-00-3	Chloroethane	ND		ug/m ³	2.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
67-66-3	Chloroform	ND		ug/m ³	4.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
74-87-3	Chloromethane	ND		ug/m ³	1.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.86	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	4.0	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
110-82-7	Cyclohexane	89		ug/m ³	3.0	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
124-48-1	Dibromochloromethane	ND		ug/m ³	7.4	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	4.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
141-78-6	* Ethyl acetate	ND		ug/m ³	6.3	8.725	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 17:48	LLJ
100-41-4	Ethyl Benzene	19		ug/m ³	3.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ



Sample Information

Client Sample ID: SVDUP01_030921

York Sample ID: 21C0455-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0455

170430001

Soil Vapor

March 9, 2021 12:00 am

03/09/2021

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m ³	9.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
67-63-0	Isopropanol	9.9		ug/m ³	4.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m ³	3.6	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	3.1	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-09-2	Methylene chloride	20		ug/m ³	6.1	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
142-82-5	n-Heptane	51		ug/m ³	3.6	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
110-54-3	n-Hexane	170		ug/m ³	3.1	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
95-47-6	o-Xylene	42		ug/m ³	3.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
179601-23-1	p- & m- Xylenes	75		ug/m ³	7.6	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
622-96-8	* p-Ethyltoluene	ND		ug/m ³	4.3	8.725	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 17:48	LLJ
115-07-1	* Propylene	47		ug/m ³	1.5	8.725	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 17:48	LLJ
100-42-5	Styrene	4.1		ug/m ³	3.7	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
127-18-4	Tetrachloroethylene	36		ug/m ³	5.9	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m ³	5.1	8.725	EPA TO-15 Certifications:	03/15/2021 21:00	03/16/2021 17:48	LLJ
108-88-3	Toluene	17		ug/m ³	3.3	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	3.5	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	4.0	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
79-01-6	Trichloroethylene	ND		ug/m ³	1.2	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	4.9	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
108-05-4	Vinyl acetate	ND		ug/m ³	3.1	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
593-60-2	Vinyl bromide	ND		ug/m ³	3.8	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ
75-01-4	Vinyl Chloride	ND		ug/m ³	1.1	8.725	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	03/15/2021 21:00	03/16/2021 17:48	LLJ



Sample Information

Client Sample ID: SVDUP01_030921

York Sample ID: 21C0455-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

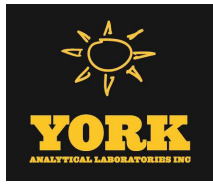
21C0455

170430001

Soil Vapor

March 9, 2021 12:00 am

03/09/2021



Analytical Batch Summary

Batch ID: BC10818

Preparation Method: EPA TO15 PREP

Prepared By: LLJ

YORK Sample ID	Client Sample ID	Preparation Date
21C0455-01	SV03_030921	03/15/21
21C0455-02	SV09_030921	03/15/21
21C0455-02RE1	SV09_030921	03/15/21
21C0455-03	SVDUP01_030921	03/15/21
BC10818-BLK1	Blank	03/15/21
BC10818-BS1	LCS	03/15/21



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

York Analytical Laboratories, Inc.

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

Batch BC10818 - EPA TO15 PREP

Blank (BC10818-BLK1)	Blank	Prepared: 03/15/2021 Analyzed: 03/16/2021									
1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								



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

York Analytical Laboratories, Inc.

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

Batch BC10818 - EPA TO15 PREP

Blank (BC10818-BLK1)	Blank		Prepared: 03/15/2021 Analyzed: 03/16/2021								
n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.68	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.13	"								

LCS (BC10818-BS1)	LCS		Prepared & Analyzed: 03/15/2021								
1,1,1,2-Tetrachloroethane	9.35		ppbv	10.0		93.5	70-130				
1,1,1-Trichloroethane	9.57		"	10.0		95.7	70-130				
1,1,2,2-Tetrachloroethane	9.06		"	10.0		90.6	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.92		"	10.0		89.2	70-130				
1,1,2-Trichloroethane	9.41		"	10.0		94.1	70-130				
1,1-Dichloroethane	8.83		"	10.0		88.3	70-130				
1,1-Dichloroethylene	8.73		"	10.0		87.3	70-130				
1,2,4-Trichlorobenzene	8.46		"	10.0		84.6	70-130				
1,2,4-Trimethylbenzene	9.83		"	10.0		98.3	70-130				
1,2-Dibromoethane	9.55		"	10.0		95.5	70-130				
1,2-Dichlorobenzene	8.74		"	10.0		87.4	70-130				
1,2-Dichloroethane	9.32		"	10.0		93.2	70-130				
1,2-Dichloropropane	9.39		"	10.0		93.9	70-130				
1,2-Dichlorotetrafluoroethane	10.0		"	10.0		100	70-130				
1,3,5-Trimethylbenzene	9.64		"	10.0		96.4	70-130				
1,3-Butadiene	10.3		"	10.0		103	70-130				
1,3-Dichlorobenzene	8.94		"	10.0		89.4	70-130				
1,3-Dichloropropane	9.26		"	10.0		92.6	70-130				
1,4-Dichlorobenzene	8.89		"	10.0		88.9	70-130				
1,4-Dioxane	7.40		"	10.0		74.0	70-130				
2-Butanone	8.98		"	10.0		89.8	70-130				
2-Hexanone	8.80		"	10.0		88.0	70-130				
3-Chloropropene	9.81		"	10.0		98.1	70-130				
4-Methyl-2-pentanone	9.08		"	10.0		90.8	70-130				
Acetone	8.12		"	10.0		81.2	70-130				
Acrylonitrile	9.38		"	10.0		93.8	70-130				
Benzene	8.81		"	10.0		88.1	70-130				
Benzyl chloride	9.36		"	10.0		93.6	70-130				
Bromodichloromethane	9.87		"	10.0		98.7	70-130				
Bromoform	10.3		"	10.0		103	70-130				
Bromomethane	9.17		"	10.0		91.7	70-130				
Carbon disulfide	8.94		"	10.0		89.4	70-130				
Carbon tetrachloride	9.08		"	10.0		90.8	70-130				



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

York Analytical Laboratories, Inc.

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

Batch BC10818 - EPA TO15 PREP

LCS (BC10818-BS1)	LCS	Prepared & Analyzed: 03/15/2021									
Chlorobenzene	8.74		ppbv	10.0		87.4	70-130				
Chloroethane	9.50		"	10.0		95.0	70-130				
Chloroform	9.09		"	10.0		90.9	70-130				
Chloromethane	9.57		"	10.0		95.7	70-130				
cis-1,2-Dichloroethylene	8.66		"	10.0		86.6	70-130				
cis-1,3-Dichloropropylene	10.1		"	10.0		101	70-130				
Cyclohexane	9.82		"	10.0		98.2	70-130				
Dibromochloromethane	10.0		"	10.0		100	70-130				
Dichlorodifluoromethane	8.97		"	10.0		89.7	70-130				
Ethyl acetate	8.75		"	10.0		87.5	70-130				
Ethyl Benzene	9.37		"	10.0		93.7	70-130				
Hexachlorobutadiene	8.66		"	10.0		86.6	70-130				
Isopropanol	8.20		"	10.0		82.0	70-130				
Methyl Methacrylate	9.34		"	10.0		93.4	70-130				
Methyl tert-butyl ether (MTBE)	9.71		"	10.0		97.1	70-130				
Methylene chloride	8.48		"	10.0		84.8	70-130				
n-Heptane	9.87		"	10.0		98.7	70-130				
n-Hexane	8.74		"	10.0		87.4	70-130				
o-Xylene	10.0		"	10.0		100	70-130				
p- & m- Xylenes	19.4		"	20.0		97.0	70-130				
p-Ethyltoluene	9.72		"	10.0		97.2	70-130				
Propylene	8.95		"	10.0		89.5	70-130				
Styrene	9.90		"	10.0		99.0	70-130				
Tetrachloroethylene	9.03		"	10.0		90.3	70-130				
Tetrahydrofuran	9.04		"	10.0		90.4	70-130				
Toluene	9.27		"	10.0		92.7	70-130				
trans-1,2-Dichloroethylene	9.00		"	10.0		90.0	70-130				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	70-130				
Trichloroethylene	9.01		"	10.0		90.1	70-130				
Trichlorofluoromethane (Freon 11)	9.21		"	10.0		92.1	70-130				
Vinyl acetate	7.60		"	10.0		76.0	70-130				
Vinyl bromide	9.17		"	10.0		91.7	70-130				
Vinyl Chloride	9.44		"	10.0		94.4	70-130				



Sample and Data Qualifiers Relating to This Work Order

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.

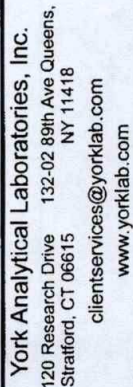
Certification for pH is no longer offered by NYDOH ELAP.

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.



Revision Description: This report has been revised to correct thge air dilution factors.



Field Chain-of-Custody Record - AIR

YORK Project No.

2100455

YORK

clientservices@yorklab.com
www.yorklab.com

YOUR Information

Report To:

Invoice To:

OUR Project Number

Turn-Around Time

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

Your

Authorization for YORK to proceed with the analyses requested by
signature binds you to YORK's Standard Terms & Conditions

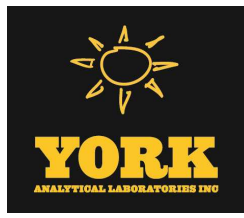
Page _____ of _____

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number	Turn-Around Time
Company:	Address:	Company:	Address:	Company:	Address:		
LANGLAN, DPC		SAME		SAME		170430001	RUSH - Next Day
300 W. 31st St.							RUSH - Two Day
NY, NY 10001							RUSH - Three Day
Phone: 212-478-5400							RUSH - Four Day
Contact: EMBRESS@LANGLAN.COM						240 Huntington St.	Standard (5-7 Day)

E-mail: <u>BETH BURGESS</u>		E-mail: _____	
Please 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 by: (print your name above and sign below) <u>Ashley Stappenbeck</u> <u>Ashley Stappenbeck</u>		E-mail: _____	
Air Matrix Codes		Samples From	
AI - Indoor Ambient Air	☒	New York	Summary Report
AO - Outdoor Amb. Air	☐	New Jersey	QA Report
AE - Vapor Extraction Well/ Process Gas/Effluent	☐	Connecticut	NY ASP A Package
AS - Soil Vapor/Sub-Slab	☐	Pennsylvania	NY ASP B Package
		Other	Other:
YORK Reg. Comp. Compared to the following Regulation(s): (please fill in)		Report / EDD Type (circle selections)	
		CT RCP	
		CT RCP DQA/DUE	
		NUDEP Reduced Deliv.	
		NUDKQP	
		Standard Excel EDD	
		EQuIS (Standard)	
		NY SDEC EQuIS	
		NUDEP SRP HazSite	
		YOUR PO#: _____	

[illegible]

Comments:	Detection Limits Required		Sampling Media
	$\leq 1 \mu\text{g/m}^3$	NYSDEC V-1 Limits Routine Survey _____ Other _____	
Please include pm machine location.com + date management @ location com or email's	Samples Relinquished by / Company	Date/Time	6 Liter Canister Tedlar Bag
	Oshley-Saggs Inc.	7/9/21	
	Samples Received by / Company	Date/Time	
	Samples Relinquished by / Company	Date/Time	
	Xe-1 KRX	7/9/21	
	Samples Received by / Company	Date/Time	
	Samples Relinquished by / Company	Date/Time	
		3/6/21 15:50	
	Samples Received by / Company	Date/Time	
	Samples Relinquished by / Company	Date/Time	
	Samples Received by / Company	Date/Time	
	Samples Relinquished by / Company	Date/Time	
	Samples Received by / Company	Date/Time	



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/25/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0665



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/25/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0665

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 12, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0665-01	MW03_031221	Water	03/12/2021	03/12/2021
21C0665-02	MW11_031221	Water	03/12/2021	03/12/2021
21C0665-03	MW12_031221	Water	03/12/2021	03/12/2021
21C0665-04	GWDUP01_031221	Water	03/12/2021	03/12/2021
21C0665-05	GWFB01_031221	Water	03/12/2021	03/12/2021
21C0665-06	Trip Blank	Water	03/12/2021	03/12/2021

General Notes for York Project (SDG) No.: 21C0665

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: 03/25/2021





Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 9:55 am

03/12/2021

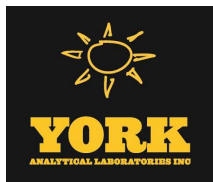
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
95-63-6	1,2,4-Trimethylbenzene	13.6		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
108-67-8	1,3,5-Trimethylbenzene	4.65		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
78-93-3	2-Butanone	ND		ug/L	1.00	5.00	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 9:55 am

Date Received

03/12/2021

Volatiles, 8260 Comprehensive

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	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
67-64-1	Acetone	ND		ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
107-02-8	Acrolein	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
107-13-1	Acrylonitrile	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
71-43-2	Benzene	211		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
74-97-5	Bromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-27-4	Bromodichloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-25-2	Bromoform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
74-83-9	Bromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-15-0	Carbon disulfide	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
108-90-7	Chlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-00-3	Chloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
67-66-3	Chloroform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
74-87-3	Chloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
110-82-7	Cyclohexane	94.4		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
124-48-1	Dibromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
74-95-3	Dibromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 9:55 am

Date Received
03/12/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	14.0		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
98-82-8	Isopropylbenzene	39.2		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
79-20-9	Methyl acetate	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
108-87-2	Methylcyclohexane	43.4		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-09-2	Methylene chloride	ND		ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
104-51-8	n-Butylbenzene	9.35		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
103-65-1	n-Propylbenzene	70.8		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
95-47-6	o-Xylene	9.90		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
179601-23-1	p- & m- Xylenes	35.6		ug/L	2.50	5.00	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
135-98-8	sec-Butylbenzene	8.55		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
100-42-5	Styrene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.50	5.00	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
108-88-3	Toluene	21.8		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
79-01-6	Trichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 9:55 am

Date Received
03/12/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 03:26	KHA
1330-20-7	Xylenes, Total	45.5		ug/L	3.00	7.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 17:27	03/16/2021 03:26	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	106 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.6 %		79-122							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
91-57-6	2-Methylnaphthalene	8.47		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 9:55 am

03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
65-85-0	Benzoic acid	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 9:55 am

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 09:40	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	33.6 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	22.5 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	104 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	90.5 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	114 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	101 %	30.7-106								

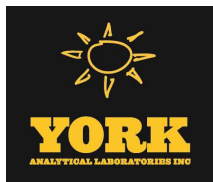
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.

Client Project ID

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21C0665

170430001

Water

March 12, 2021 9:55 am

03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	3.92		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
208-96-8	Acenaphthylene	0.610		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
120-12-7	Anthracene	0.510		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 00:34	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 00:34	CD
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
206-44-0	Fluoranthene	0.380		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
86-73-7	Fluorene	3.34		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 00:34	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 00:34	CD
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 00:34	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
91-20-3	Naphthalene	3.57		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 00:34	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 00:34	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 00:34	CD



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.
21C0665

Client Project ID
170430001

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March 12, 2021 9:55 am

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	2.70		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD
129-00-0	Pyrene	0.280	B	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 00:34	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/18/2021 11:27	03/19/2021 12:27	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.0 %					36.6-118			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	12.7		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	6.43		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	10.5		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	3.63		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
375-95-1	* Perfluorononanoic acid (PFNA)	1.50		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	1.24		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL



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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	11.1		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.25	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	12.0		ng/L	0.899	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 08:40	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		88.7 %		25-150						
Surrogate: M5PFHxA		89.0 %		25-150						
Surrogate: M4PFHpA		55.2 %		25-150						
Surrogate: M3PFHxS		91.3 %		25-150						
Surrogate: Perfluoro-n-[13C8]octanoic acid		92.3 %		25-150						
Surrogate: M6PFDA		73.3 %		25-150						
Surrogate: M7PFUdA		68.9 %		25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid		60.5 %		25-150						
Surrogate: M2PFTeDA		47.8 %		10-150						
Surrogate: Perfluoro-n-[13C4]butanoic acid		112 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		83.4 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid		83.2 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		10.8 %		10-150						
Surrogate: d3-N-MeFOSAA		60.1 %		25-150						
Surrogate: d5-N-EtFOSAA		65.9 %		25-150						
Surrogate: M2-6:2 FTS		328 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		132 %		25-150						
Surrogate: M9PFNA		86.1 %		25-150						



Sample Information

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:18	CM



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 9:55 am

Date Received
03/12/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B Certifications:	03/18/2021 06:59	03/19/2021 06:18	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	78.9 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	85.9 %								

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:04	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	03/18/2021 06:59	03/19/2021 11:04	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	80.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	71.5 %								

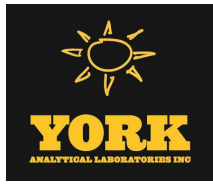
Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 14:54	BJ



Sample Information

Client Sample ID: MW03_031221

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York Project (SDG) No.

21C0665

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170430001

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March 12, 2021 9:55 am

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Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 14:54	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 14:54	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 79.0 %			30-150						

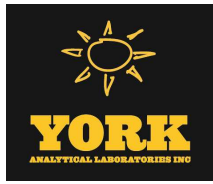
Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	0.727		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-39-3	Barium	0.283		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-70-2	Calcium	65.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7439-89-6	Iron	5.84		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7439-92-1	Lead	0.0140		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7439-95-4	Magnesium	5.09		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7439-96-5	Manganese	0.225		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-09-7	Potassium	19.2	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-23-5	Sodium	28.5		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 9:55 am

Date Received

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Metals, Target Analyte, ICP

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
7440-66-6	Zinc	0.0314		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:07	WJM

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

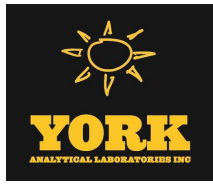
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.106		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-39-3	Barium	0.271		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-70-2	Calcium	64.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7439-89-6	Iron	6.36		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7439-92-1	Lead	0.00884		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7439-95-4	Magnesium	4.79		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7439-96-5	Manganese	0.215		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-09-7	Potassium	18.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-23-5	Sodium	27.6		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 10:58	WJM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW03_031221

York Sample ID: 21C0665-01

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 9:55 am

Date Received

03/12/2021

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:36	BML
7440-38-2	Arsenic	6.74		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:36	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:36	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:36	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:36	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:36	BML

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:23	BML
7440-38-2	Arsenic	2.60		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:23	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:23	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:23	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:23	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:23	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 00:00	03/19/2021 00:00	AA

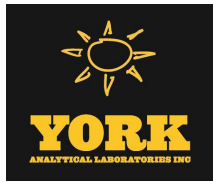
Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 15:02	03/19/2021 15:02	AA



Sample Information

Client Sample ID: MW03_031221

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York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

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March 12, 2021 9:55 am

Date Received

03/12/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2021 19:42	03/12/2021 21:08	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2021 13:51	03/19/2021 14:02	MAO

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 16:27	03/15/2021 20:27	MAO



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:30 am

03/12/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
95-63-6	1,2,4-Trimethylbenzene	4.45		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
108-67-8	1,3,5-Trimethylbenzene	2.05		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:30 am

03/12/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
67-64-1	Acetone	32.5		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
71-43-2	Benzene	2.79		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-15-0	Carbon disulfide	3.14		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
110-82-7	Cyclohexane	46.4		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:30 am

03/12/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	0.730		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
98-82-8	Isopropylbenzene	1.83		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
108-87-2	Methylcyclohexane	30.0		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
104-51-8	n-Butylbenzene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
103-65-1	n-Propylbenzene	0.310		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
95-47-6	o-Xylene	2.07		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
179601-23-1	p- & m- Xylenes	2.17		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
99-87-6	p-Isopropyltoluene	1.58		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
135-98-8	sec-Butylbenzene	1.03		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
98-06-6	tert-Butylbenzene	0.660		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
108-88-3	Toluene	42.5		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:30 am

Date Received
03/12/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:59	03/17/2021 17:40	KHA
1330-20-7	Xylenes, Total	4.24		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2021 16:59	03/17/2021 17:40	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	87.4 %	79-122								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:30 am

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
65-85-0	Benzoic acid	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:30 am

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
122-39-4	Diphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:16	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	11.5 %	S-04		19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	7.24 %	S-04		10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	43.5 %	S-04		50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	37.9 %	S-04		39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	48.3 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	40.6 %			30.7-106						

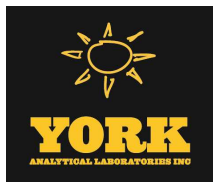
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:30 am

03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.0800		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
120-12-7	Anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 15:27	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.594		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 15:27	CD
218-01-9	Chrysene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
206-44-0	Fluoranthene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
86-73-7	Fluorene	0.0571		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 15:27	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 15:27	CD
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 15:27	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
91-20-3	Naphthalene	0.240		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 15:27	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 15:27	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 15:27	CD



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:30 am

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.149		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD
129-00-0	Pyrene	ND		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 15:27	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/18/2021 11:27	03/19/2021 12:44	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	68.0 %					36.6-118			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	4.61		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	3.81		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	15.9		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	7.08		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
375-95-1	* Perfluorononanoic acid (PFNA)	1.08		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	2.54		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:30 am

Date Received
03/12/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
2991-50-6	* N-EtFOSAA	12.0		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	1.36		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.39	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:32	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		62.2 %	25-150							
Surrogate: M5PFHxA		65.6 %	25-150							
Surrogate: M4PFHpA		52.2 %	25-150							
Surrogate: M3PFHxS		88.9 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic acid		94.7 %	25-150							
Surrogate: M6PFDA		81.0 %	25-150							
Surrogate: M7PFUdA		83.3 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid		71.7 %	25-150							
Surrogate: M2PFTeDA		24.1 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic acid		117 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		94.6 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic acid		41.3 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		3.98 %	PFSu-L	10-150						
Surrogate: d3-N-MeFOSAA		71.6 %	25-150							
Surrogate: d5-N-EtFOSAA		71.2 %	25-150							
Surrogate: M2-6:2 FTS		415 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		228 %	PFSu-H	25-150						
Surrogate: M9PFNA		91.9 %	25-150							



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:30 am

Date Received
03/12/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:35	CM



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:30 am

Date Received
03/12/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.205	1	EPA 8081B Certifications:	03/18/2021 06:59	03/19/2021 06:35	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	15.8 %	S-GC				30-150			
877-09-8	Surrogate: Tetrachloro-m-xylene	54.4 %					30-150			

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:18	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	03/18/2021 06:59	03/19/2021 11:18	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.5 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	13.5 %	S-GC				30-120			

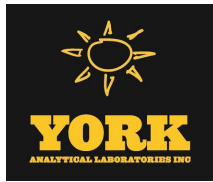
Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:04	BJ



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 11:30 am

Date Received

03/12/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:04	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:04	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 75.4 %				30-150					

Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	0.995		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-39-3	Barium	0.0333		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-70-2	Calcium	19.4		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7439-89-6	Iron	0.926		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7439-92-1	Lead	0.0688		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7439-95-4	Magnesium	0.249		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7439-96-5	Manganese	0.0193		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-09-7	Potassium	17.1	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-23-5	Sodium	25.0		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM
7440-62-2	Vanadium	0.0154		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:30 am

Date Received
03/12/2021

Metals, Target Analyte, ICP

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
7440-66-6	Zinc	0.0413		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:10	WJM

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

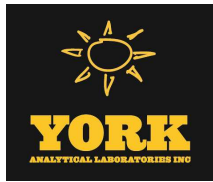
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.336		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-70-2	Calcium	17.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7439-92-1	Lead	0.0354		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7439-95-4	Magnesium	0.145		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7439-96-5	Manganese	0.00899		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-09-7	Potassium	15.7		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-23-5	Sodium	22.3		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-62-2	Vanadium	0.0119		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:08	WJM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:30 am

03/12/2021

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:39	BML
7440-38-2	Arsenic	12.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:39	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:39	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:39	BML
7782-49-2	Selenium	1.20		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:39	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:39	BML

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:26	BML
7440-38-2	Arsenic	9.61		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:26	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:26	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:26	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:26	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:26	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 00:00	03/19/2021 00:00	AA

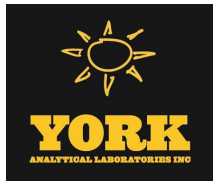
Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 15:02	03/19/2021 15:02	AA



Sample Information

Client Sample ID: MW11_031221

York Sample ID: 21C0665-02

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 11:30 am

Date Received

03/12/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2021 19:42	03/12/2021 21:08	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2021 13:51	03/19/2021 14:02	MAO

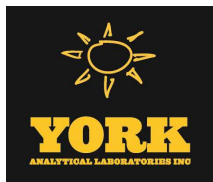
Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.0160		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 16:27	03/15/2021 20:27	MAO



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 2:15 pm

03/12/2021

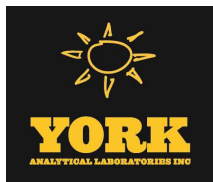
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
95-63-6	1,2,4-Trimethylbenzene	6.70		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
108-67-8	1,3,5-Trimethylbenzene	2.90		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
78-93-3	2-Butanone	2.79	B	ug/L	0.200	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 2:15 pm

Date Received

03/12/2021

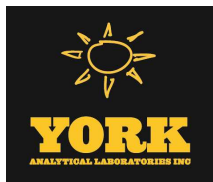
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
108-10-1	4-Methyl-2-pentanone	0.710		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
67-64-1	Acetone	76.1		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
71-43-2	Benzene	0.380		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
110-82-7	Cyclohexane	5.83		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 2:15 pm

Date Received

03/12/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	0.700		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
98-82-8	Isopropylbenzene	0.330		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
108-87-2	Methylcyclohexane	5.67		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
104-51-8	n-Butylbenzene	0.570		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
103-65-1	n-Propylbenzene	0.490		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
95-47-6	o-Xylene	2.56		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
179601-23-1	p- & m- Xylenes	3.37		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
99-87-6	p-Isopropyltoluene	1.49		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
135-98-8	sec-Butylbenzene	0.210		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
108-88-3	Toluene	1.66		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 2:15 pm

Date Received
03/12/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/16/2021 16:58	03/17/2021 14:10	KHA
1330-20-7	Xylenes, Total	5.93		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/16/2021 16:58	03/17/2021 14:10	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	104 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	99.3 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.3 %		79-122							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
91-57-6	2-Methylnaphthalene	3.14	J	ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 2:15 pm

03/12/2021

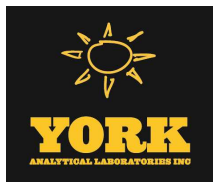
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
98-86-2	Acetophenone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
62-53-3	Aniline	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
100-52-7	Benzaldehyde	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
92-87-5	Benzidine	ND		ug/L	5.71	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
65-85-0	Benzoic acid	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.14	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 2:15 pm

Date Received

03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
105-60-2	Caprolactam	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
86-74-8	Carbazole	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
132-64-9	Dibenzofuran	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
122-39-4	Diphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.71	11.4	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
78-59-1	Isophorone	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
108-95-2	Phenol	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
110-86-1	Pyridine	ND		ug/L	2.86	5.71	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 10:52	CD
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	16.7 %	S-04		19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	12.4 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.9 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	68.4 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	62.1 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	80.7 %			30.7-106						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 2:15 pm

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	1.47		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
208-96-8	Acenaphthylene	0.263		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
120-12-7	Anthracene	0.434		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
1912-24-9	Atrazine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 01:41	CD
56-55-3	Benzo(a)anthracene	0.263		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
50-32-8	Benzo(a)pyrene	0.251		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
205-99-2	Benzo(b)fluoranthene	0.229		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
191-24-2	Benzo(g,h,i)perylene	0.137		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
207-08-9	Benzo(k)fluoranthene	0.217		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 01:41	CD
218-01-9	Chrysene	0.297		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
53-70-3	Dibenzo(a,h)anthracene	0.0571		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
206-44-0	Fluoranthene	0.891		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
86-73-7	Fluorene	1.20		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0229	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 01:41	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 01:41	CD
67-72-1	Hexachloroethane	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 01:41	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.126		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
91-20-3	Naphthalene	4.30		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
98-95-3	Nitrobenzene	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 01:41	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 01:41	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.286	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 01:41	CD



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 2:15 pm

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	2.24		ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD
129-00-0	Pyrene	0.789	B	ug/L	0.0571	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 01:41	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/18/2021 11:27	03/19/2021 13:01	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	56.0 %					36.6-118			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.34		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	11.3		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	6.77		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	21.6		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	7.59		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
375-95-1	* Perfluorononanoic acid (PFNA)	2.25		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	2.21		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 2:15 pm

Date Received
03/12/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	10.7		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.26	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	14.4		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 01:39	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		87.1 %		25-150						
Surrogate: M5PFHxA		80.2 %		25-150						
Surrogate: M4PFHpA		55.5 %		25-150						
Surrogate: M3PFHxS		83.4 %		25-150						
Surrogate: Perfluoro-n-[13C8]octanoic acid		94.4 %		25-150						
Surrogate: M6PFDA		85.0 %		25-150						
Surrogate: M7PFUdA		80.7 %		25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid		73.9 %		25-150						
Surrogate: M2PFTeDA		47.4 %		10-150						
Surrogate: Perfluoro-n-[13C4]butanoic acid		13.0 %	PFSu-L	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		80.9 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid		76.5 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		9.00 %	PFSu-L	10-150						
Surrogate: d3-N-MeFOSAA		62.0 %		25-150						
Surrogate: d5-N-EtFOSAA		67.6 %		25-150						
Surrogate: M2-6:2 FTS		302 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		175 %	PFSu-H	25-150						
Surrogate: M9PFNA		88.2 %		25-150						



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 2:15 pm

Date Received
03/12/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 06:52	CM



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 2:15 pm

Date Received
03/12/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B Certifications:	03/18/2021 06:59	03/19/2021 06:52	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	51.6 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %								

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:31	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	03/18/2021 06:59	03/19/2021 11:31	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	89.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	48.5 %								

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:15	BJ



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 2:15 pm

Date Received
03/12/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:15	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:15	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (60.6 %			30-150						

Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	4.26		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-39-3	Barium	0.265		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-70-2	Calcium	146		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-47-3	Chromium	0.00649		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-50-8	Copper	0.0289		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7439-89-6	Iron	2.30		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7439-92-1	Lead	0.0923		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7439-95-4	Magnesium	1.14		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7439-96-5	Manganese	0.0343		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-09-7	Potassium	59.1	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-23-5	Sodium	55.5		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM
7440-62-2	Vanadium	0.0122		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 2:15 pm

Date Received
03/12/2021

Metals, Target Analyte, ICP

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
7440-66-6	Zinc	0.0822		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:13	WJM

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

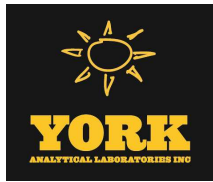
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	2.02		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-39-3	Barium	0.155		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-70-2	Calcium	105		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-09-7	Potassium	44.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-23-5	Sodium	41.0		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:11	WJM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 2:15 pm

03/12/2021

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:42	BML
7440-38-2	Arsenic	7.46		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:42	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:42	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:42	BML
7782-49-2	Selenium	1.73		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:42	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:52	03/18/2021 15:42	BML

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:30	BML
7440-38-2	Arsenic	5.63		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:30	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:30	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:30	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:30	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:30	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0004		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 00:00	03/19/2021 00:00	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 15:02	03/19/2021 15:02	AA



Sample Information

Client Sample ID: MW12_031221

York Sample ID: 21C0665-03

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 2:15 pm

Date Received

03/12/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2021 19:42	03/12/2021 21:08	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2021 13:51	03/19/2021 14:02	MAO

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 16:27	03/15/2021 20:27	MAO



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

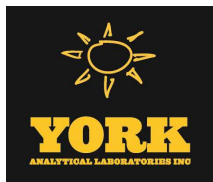
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
95-63-6	1,2,4-Trimethylbenzene	4.42		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
108-67-8	1,3,5-Trimethylbenzene	2.04		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
78-93-3	2-Butanone	ND		ug/L	0.200	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

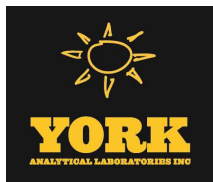
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
108-10-1	4-Methyl-2-pentanone	0.410		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
67-64-1	Acetone	27.6		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
71-43-2	Benzene	2.55		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-15-0	Carbon disulfide	2.77		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
110-82-7	Cyclohexane	41.0		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	0.690		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
98-82-8	Isopropylbenzene	1.88		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
108-87-2	Methylcyclohexane	29.0		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
104-51-8	n-Butylbenzene	0.250		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
103-65-1	n-Propylbenzene	0.300		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
95-47-6	o-Xylene	1.98		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
179601-23-1	p- & m- Xylenes	2.02		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
99-87-6	p-Isopropyltoluene	1.61		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
135-98-8	sec-Butylbenzene	1.04		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
98-06-6	tert-Butylbenzene	0.670		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
108-88-3	Toluene	38.3		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 04:45	KHA
1330-20-7	Xylenes, Total	4.00		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 17:27	03/16/2021 04:45	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	99.8 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.2 %		79-122							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
91-94-1	3,3-Dichlorobenzidine	ND	IS-LO	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
65-85-0	Benzoic acid	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
85-68-7	Benzyl butyl phthalate	ND	IS-LO	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 12:01 am

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
117-84-0	Di-n-octyl phthalate	ND	IS-LO	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/22/2021 19:56	cd
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	24.0 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	16.7 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.2 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.0 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	76.0 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	96.2 %	IS-LO		30.7-106						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.164		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
120-12-7	Anthracene	0.0718		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 16:00	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 16:00	CD
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
86-73-7	Fluorene	0.113		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 16:00	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 16:00	CD
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 16:00	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
91-20-3	Naphthalene	0.369		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 16:00	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 16:00	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 16:00	CD



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 12:01 am

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.256		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD
129-00-0	Pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 16:00	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/18/2021 11:27	03/19/2021 13:19	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	68.0 %					36.6-118			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	5.10		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	3.39		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	14.5		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	6.15		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
375-95-1	* Perfluorononanoic acid (PFNA)	1.08		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	2.28		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 12:01 am

Date Received
03/12/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
2991-50-6	* N-EtFOSAA	13.6		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	3.65		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	0.919		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.26	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	1.12		ng/L	0.906	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 03:53	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		69.0 %	25-150							
Surrogate: M5PFHxA		71.9 %	25-150							
Surrogate: M4PFHpA		57.4 %	25-150							
Surrogate: M3PFHxS		98.9 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		107 %	25-150							
Surrogate: M6PFDA		94.2 %	25-150							
Surrogate: M7PFUdA		94.1 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		78.4 %	25-150							
Surrogate: M2PFTeDA		27.0 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		130 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		108 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic ac		45.9 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		8.46 %	PFSu-L	10-150						
Surrogate: d3-N-MeFOSAA		81.8 %	25-150							
Surrogate: d5-N-EtFOSAA		77.6 %	25-150							
Surrogate: M2-6:2 FTS		444 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		273 %	PFSu-H	25-150						
Surrogate: M9PFNA		106 %	25-150							



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 12:01 am

Date Received
03/12/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
309-00-2	Aldrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
319-84-6	alpha-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
319-85-7	beta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
319-86-8	delta-BHC	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
60-57-1	Dieldrin	ND		ug/L	0.00211	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
959-98-8	Endosulfan I	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
72-20-8	Endrin	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
76-44-8	Heptachlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
72-43-5	Methoxychlor	ND		ug/L	0.00421	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM
8001-35-2	Toxaphene	ND		ug/L	0.105	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:09	CM



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 12:01 am

Date Received
03/12/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.211	1	EPA 8081B Certifications:	03/18/2021 06:59	03/19/2021 07:09	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	12.8 %	S-GC	30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.0 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0526	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:45	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0526	1	EPA 8082A Certifications:	03/18/2021 06:59	03/19/2021 11:45	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	11.0 %	S-GC	30-120						

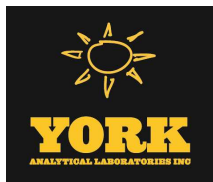
Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:26	BJ



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 12:01 am

Date Received

03/12/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:26	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:26	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 72.4 %			30-150						

Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	0.843		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-70-2	Calcium	18.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-47-3	Chromium	0.00793		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7439-89-6	Iron	0.834		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7439-92-1	Lead	0.0692		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7439-95-4	Magnesium	0.242		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7439-96-5	Manganese	0.0185		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-09-7	Potassium	16.3	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-23-5	Sodium	23.0		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM
7440-62-2	Vanadium	0.0153		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 12:01 am

Date Received
03/12/2021

Metals, Target Analyte, ICP

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
7440-66-6	Zinc	0.0410		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:16	WJM

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

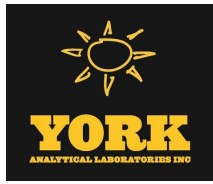
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	0.364		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-70-2	Calcium	17.3		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7439-92-1	Lead	0.0491		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7439-95-4	Magnesium	0.133		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7439-96-5	Manganese	0.0102		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-09-7	Potassium	15.8		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-23-5	Sodium	22.4		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-62-2	Vanadium	0.0132		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM
7440-66-6	Zinc	0.0312		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:14	WJM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:34	BML
7440-38-2	Arsenic	12.4		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:34	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:34	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:34	BML
7782-49-2	Selenium	1.22		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:34	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:34	BML

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:33	BML
7440-38-2	Arsenic	9.25		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:33	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:33	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:33	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:33	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:33	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0002		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 00:00	03/19/2021 00:00	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 15:02	03/19/2021 15:02	AA



Sample Information

Client Sample ID: GWDUP01_031221

York Sample ID: 21C0665-04

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 12:01 am

Date Received

03/12/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2021 19:42	03/12/2021 21:08	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2021 13:51	03/19/2021 14:02	MAO

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.0116		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 16:27	03/15/2021 20:27	MAO



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:15 am

03/12/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
78-93-3	2-Butanone	0.820	B	ug/L	0.200	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:15 am

03/12/2021

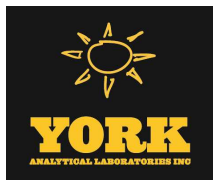
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:15 am

03/12/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-09-2	Methylene chloride	1.85		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-65-0	tert-Butyl alcohol (TBA)	0.950		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:15 am

Date Received
03/12/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:59	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 17:27	03/16/2021 02:59	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	99.7 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.9 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:15 am

03/12/2021

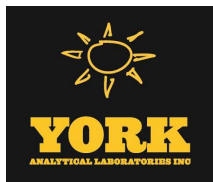
Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 11:15 am

Date Received

03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
122-39-4	Diphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/19/2021 12:03	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	35.9 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	22.2 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	86.0 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	76.9 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	93.3 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	92.7 %	30.7-106								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 11:15 am

Date Received
03/12/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 02:48	CD
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
117-81-7	Bis(2-ethylhexyl)phthalate	0.600		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 02:48	CD
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 02:48	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 02:48	CD
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 02:48	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 02:48	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 02:48	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/18/2021 07:02	03/24/2021 02:48	CD



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.
21C0665

Client Project ID
170430001

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March 12, 2021 11:15 am

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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 07:02	03/24/2021 02:48	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/18/2021 11:27	03/19/2021 13:37	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.0 %					36.6-118			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL



Sample Information

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March 12, 2021 11:15 am

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.88	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL
375-22-4	* Perfluoro-n-butyric acid (PFBA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/15/2021 11:38	03/17/2021 02:06	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	99.8 %	25-150
Surrogate: M5PFHxA	107 %	25-150
Surrogate: M4PFHpA	87.4 %	25-150
Surrogate: M3PFHxS	92.7 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic acid	94.3 %	25-150
Surrogate: M6PFDA	73.8 %	25-150
Surrogate: M7PFUdA	63.3 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid	54.9 %	25-150
Surrogate: M2PFTeDA	29.8 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic acid	104 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid	85.7 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic acid	107 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid	26.0 %	10-150
Surrogate: d3-N-MeFOSAA	32.3 %	25-150
Surrogate: d5-N-EtFOSAA	27.5 %	25-150
Surrogate: M2-6:2 FTS	84.8 %	25-150
Surrogate: M2-8:2 FTS	87.1 %	25-150
Surrogate: M9PFNA	90.0 %	25-150



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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 07:26	CM



Sample Information

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.216	1	EPA 8081B Certifications:	03/18/2021 06:59	03/19/2021 07:26	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	67.8 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	86.4 %								

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/18/2021 06:59	03/19/2021 11:58	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	03/18/2021 06:59	03/19/2021 11:58	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	93.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	59.0 %								

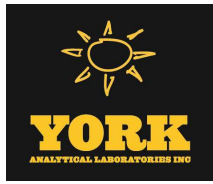
Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:37	BJ



Sample Information

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Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:37	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 06:36	03/19/2021 15:37	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 81.8 %			30-150						

Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-70-2	Calcium	0.120		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-09-7	Potassium	0.116	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM



Sample Information

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Metals, Target Analyte, ICP

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
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 08:58	03/18/2021 18:19	WJM

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

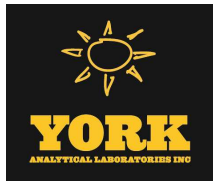
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-70-2	Calcium	0.0562		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 09:13	03/23/2021 11:17	WJM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.

21C0665

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 12, 2021 11:15 am

Date Received

03/12/2021

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:37	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:37	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:37	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:37	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:37	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/16/2021 10:31	03/18/2021 14:37	BML

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:37	BML
7440-38-2	Arsenic	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:37	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:37	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:37	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:37	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/18/2021 13:57	03/18/2021 19:37	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 00:00	03/19/2021 00:00	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2021 15:02	03/19/2021 15:02	AA



Sample Information

Client Sample ID: GWFB01_031221

York Sample ID: 21C0665-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 11:15 am

03/12/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/12/2021 19:42	03/12/2021 21:08	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2021 13:51	03/19/2021 14:02	MAO

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/15/2021 16:27	03/15/2021 20:27	MAO



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C0665-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
78-93-3	2-Butanone	0.750	B	ug/L	0.200	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C0665-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C0665-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0665

170430001

Water

March 12, 2021 12:01 am

03/12/2021

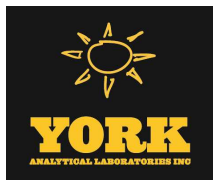
Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-09-2	Methylene chloride	1.37		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-65-0	tert-Butyl alcohol (TBA)	0.550		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C0665-06

York Project (SDG) No.
21C0665

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 12, 2021 12:01 am

Date Received
03/12/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/15/2021 17:27	03/16/2021 02:07	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/15/2021 17:27	03/16/2021 02:07	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	107 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	99.2 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	101 %	79-122								



Analytical Batch Summary

Batch ID: BC10805 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/12/21
21C0665-02	MW11_031221	03/12/21
21C0665-03	MW12_031221	03/12/21
21C0665-04	GWDUP01_031221	03/12/21
21C0665-05	GWFB01_031221	03/12/21
BC10805-BLK1	Blank	03/12/21
BC10805-BS1	LCS	03/12/21
BC10805-DUP1	Duplicate	03/12/21
BC10805-MS1	Matrix Spike	03/12/21

Batch ID: BC10850 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** SG

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/15/21
21C0665-02	MW11_031221	03/15/21
21C0665-03	MW12_031221	03/15/21
21C0665-04	GWDUP01_031221	03/15/21
21C0665-05	GWFB01_031221	03/15/21
BC10850-BLK1	Blank	03/15/21
BC10850-BS1	LCS	03/15/21
BC10850-MS1	Matrix Spike	03/15/21
BC10850-MSD1	Matrix Spike Dup	03/15/21

Batch ID: BC10881 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/15/21
21C0665-02	MW11_031221	03/15/21
21C0665-03	MW12_031221	03/15/21
21C0665-04	GWDUP01_031221	03/15/21
21C0665-05	GWFB01_031221	03/15/21
BC10881-BLK1	Blank	03/15/21
BC10881-BS1	LCS	03/15/21
BC10881-DUP1	Duplicate	03/15/21
BC10881-MS1	Matrix Spike	03/15/21

Batch ID: BC10886 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/15/21
21C0665-04	GWDUP01_031221	03/15/21
21C0665-05	GWFB01_031221	03/15/21
21C0665-06	Trip Blank	03/15/21
BC10886-BLK1	Blank	03/15/21



BC10886-BS1 LCS 03/15/21
BC10886-BSD1 LCS Dup 03/15/21

Batch ID: BC10923 **Preparation Method:** EPA 3015A **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/16/21
21C0665-02	MW11_031221	03/16/21
21C0665-03	MW12_031221	03/16/21
BC10923-BLK1	Blank	03/16/21
BC10923-BS1	LCS	03/16/21
BC10923-DUP1	Duplicate	03/16/21
BC10923-MS1	Matrix Spike	03/16/21

Batch ID: BC10925 **Preparation Method:** EPA 3015A **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/16/21
21C0665-02	MW11_031221	03/16/21
21C0665-03	MW12_031221	03/16/21
21C0665-04	GWDUP01_031221	03/16/21
21C0665-05	GWFB01_031221	03/16/21
BC10925-BLK1	Blank	03/16/21
BC10925-BS1	LCS	03/16/21
BC10925-DUP1	Duplicate	03/16/21
BC10925-MS1	Matrix Spike	03/16/21
BC10925-PS1	Post Spike	03/16/21

Batch ID: BC10927 **Preparation Method:** EPA 3015A **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-04	GWDUP01_031221	03/16/21
21C0665-05	GWFB01_031221	03/16/21
BC10927-BLK1	Blank	03/16/21
BC10927-BS1	LCS	03/16/21
BC10927-DUP1	Duplicate	03/16/21
BC10927-MS1	Matrix Spike	03/16/21

Batch ID: BC10963 **Preparation Method:** EPA 5030B **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-02	MW11_031221	03/16/21
21C0665-03	MW12_031221	03/16/21
BC10963-BLK1	Blank	03/16/21
BC10963-BS1	LCS	03/16/21
BC10963-BSD1	LCS Dup	03/16/21
BC10963-MS1	Matrix Spike	03/16/21
BC10963-MSD1	Matrix Spike Dup	03/16/21



Batch ID: BC11079 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** BMT

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/18/21
21C0665-01	MW03_031221	03/18/21
21C0665-02	MW11_031221	03/18/21
21C0665-02	MW11_031221	03/18/21
21C0665-03	MW12_031221	03/18/21
21C0665-03	MW12_031221	03/18/21
21C0665-04	GWDUP01_031221	03/18/21
21C0665-04	GWDUP01_031221	03/18/21
21C0665-05	GWFB01_031221	03/18/21
21C0665-05	GWFB01_031221	03/18/21
BC11079-BLK1	Blank	03/18/21
BC11079-BLK2	Blank	03/18/21
BC11079-BS1	LCS	03/18/21
BC11079-BS2	LCS	03/18/21
BC11079-BSD1	LCS Dup	03/18/21
BC11079-BSD2	LCS Dup	03/18/21

Batch ID: BC11080 **Preparation Method:** EPA 3510C **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/18/21
21C0665-02	MW11_031221	03/18/21
21C0665-03	MW12_031221	03/18/21
21C0665-04	GWDUP01_031221	03/18/21
21C0665-05	GWFB01_031221	03/18/21
BC11080-BLK2	Blank	03/18/21
BC11080-BS2	LCS	03/18/21

Batch ID: BC11102 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/18/21
21C0665-02	MW11_031221	03/18/21
21C0665-03	MW12_031221	03/18/21
21C0665-04	GWDUP01_031221	03/18/21
21C0665-05	GWFB01_031221	03/18/21
BC11102-BLK1	Blank	03/18/21
BC11102-BS1	LCS	03/18/21
BC11102-MS1	Matrix Spike	03/18/21
BC11102-MSD1	Matrix Spike Dup	03/18/21

Batch ID: BC11117 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/18/21



21C0665-02	MW11_031221	03/18/21
21C0665-03	MW12_031221	03/18/21
21C0665-04	GWDUP01_031221	03/18/21
21C0665-05	GWFB01_031221	03/18/21
BC11117-BLK1	Blank	03/18/21
BC11117-BS1	LCS	03/18/21
BC11117-DUP1	Duplicate	03/18/21
BC11117-MS1	Matrix Spike	03/18/21

Batch ID: BC11157 **Preparation Method:** EPA 8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/19/21
21C0665-02	MW11_031221	03/19/21
21C0665-03	MW12_031221	03/19/21
21C0665-04	GWDUP01_031221	03/19/21
21C0665-05	GWFB01_031221	03/19/21
BC11157-BLK1	Blank	03/19/21
BC11157-BS1	LCS	03/19/21
BC11157-BSD1	LCS Dup	03/19/21

Batch ID: BC11215 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/19/21
21C0665-02	MW11_031221	03/19/21
21C0665-03	MW12_031221	03/19/21
21C0665-04	GWDUP01_031221	03/19/21
21C0665-05	GWFB01_031221	03/19/21

Batch ID: BC11225 **Preparation Method:** EPA SW846-7470A **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/19/21
21C0665-02	MW11_031221	03/19/21
21C0665-03	MW12_031221	03/19/21
21C0665-04	GWDUP01_031221	03/19/21
21C0665-05	GWFB01_031221	03/19/21
BC11225-BLK1	Blank	03/19/21
BC11225-BS1	LCS	03/19/21
BC11225-DUP1	Duplicate	03/19/21
BC11225-MS1	Matrix Spike	03/19/21

Batch ID: BC11227 **Preparation Method:** EPA SW846-7470A **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/19/21
21C0665-02	MW11_031221	03/19/21
21C0665-03	MW12_031221	03/19/21



21C0665-04	GWDUP01_031221	03/19/21
21C0665-05	GWFB01_031221	03/19/21
BC11227-BLK1	Blank	03/19/21
BC11227-BS1	LCS	03/19/21
BC11227-DUP1	Duplicate	03/19/21
BC11227-MS1	Matrix Spike	03/19/21

Batch ID: BC11331 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0665-01	MW03_031221	03/23/21
21C0665-02	MW11_031221	03/23/21
21C0665-03	MW12_031221	03/23/21
21C0665-04	GWDUP01_031221	03/23/21
21C0665-05	GWFB01_031221	03/23/21
BC11331-BLK1	Blank	03/23/21
BC11331-BS1	LCS	03/23/21
BC11331-DUP1	Duplicate	03/23/21
BC11331-MS1	Matrix Spike	03/23/21
BC11331-PS1	Post Spike	03/23/21



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 BC10886 - EPA 5030B											
Blank (BC10886-BLK1)	Blank										Prepared: 03/15/2021 Analyzed: 03/16/2021
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.690	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BC10886 - EPA 5030B

Blank (BC10886-BLK1)	Blank		Prepared: 03/15/2021 Analyzed: 03/16/2021								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.7</i>		<i>"</i>	<i>10.0</i>		<i>107</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.87</i>		<i>"</i>	<i>10.0</i>		<i>98.7</i>	<i>79-122</i>				

LCS (BC10886-BS1)	LCS		Prepared: 03/15/2021 Analyzed: 03/16/2021								
1,1,1,2-Tetrachloroethane	9.85		ug/L	10.0		98.5	82-126				
1,1,1-Trichloroethane	10.2		"	10.0		102	78-136				
1,1,2,2-Tetrachloroethane	9.88		"	10.0		98.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.8		"	10.0		118	54-165				
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123				
1,1-Dichloroethane	10.5		"	10.0		105	82-129				
1,1-Dichloroethylene	11.6		"	10.0		116	68-138				
1,2,3-Trichlorobenzene	8.93		"	10.0		89.3	76-136				
1,2,3-Trichloropropane	9.59		"	10.0		95.9	77-128				
1,2,4-Trichlorobenzene	9.47		"	10.0		94.7	76-137				
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132				
1,2-Dibromo-3-chloropropane	9.35		"	10.0		93.5	45-147				
1,2-Dibromoethane	10.1		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.50		"	10.0		95.0	79-123				
1,2-Dichloroethane	10.6		"	10.0		106	73-132				
1,2-Dichloropropane	10.6		"	10.0		106	78-126				
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131				
1,3-Dichlorobenzene	9.41		"	10.0		94.1	86-122				
1,4-Dichlorobenzene	9.35		"	10.0		93.5	85-124				
1,4-Dioxane	221		"	210		105	10-349				
2-Butanone	10.4		"	10.0		104	49-152				
2-Hexanone	10.8		"	10.0		108	51-146				
4-Methyl-2-pentanone	10.5		"	10.0		105	57-145				
Acetone	11.4		"	10.0		114	14-150				
Acrolein	11.3		"	10.0		113	10-153				
Acrylonitrile	11.0		"	10.0		110	51-150				
Benzene	10.5		"	10.0		105	85-126				
Bromochloromethane	11.3		"	10.0		113	77-128				
Bromodichloromethane	10.2		"	10.0		102	79-128				



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 BC10886 - EPA 5030B											
LCS (BC10886-BS1)	LCS		Prepared: 03/15/2021 Analyzed: 03/16/2021								
Bromoform	9.00		ug/L	10.0		90.0	78-133				
Bromomethane	7.05		"	10.0		70.5	43-168				
Carbon disulfide	11.1		"	10.0		111	68-146				
Carbon tetrachloride	10.3		"	10.0		103	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	13.1		"	10.0		131	65-136				
Chloroform	10.5		"	10.0		105	82-128				
Chloromethane	8.41		"	10.0		84.1	43-155				
cis-1,2-Dichloroethylene	10.6		"	10.0		106	83-129				
cis-1,3-Dichloropropylene	9.96		"	10.0		99.6	80-131				
Cyclohexane	9.57		"	10.0		95.7	63-149				
Dibromochloromethane	9.87		"	10.0		98.7	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	11.4		"	10.0		114	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	11.9		"	10.0		119	67-146				
Isopropylbenzene	9.97		"	10.0		99.7	76-140				
Methyl acetate	9.57		"	10.0		95.7	51-139				
Methyl tert-butyl ether (MTBE)	10.6		"	10.0		106	76-135				
Methylcyclohexane	11.1		"	10.0		111	72-143				
Methylene chloride	11.4		"	10.0		114	55-137				
n-Butylbenzene	11.7		"	10.0		117	79-132				
n-Propylbenzene	10.1		"	10.0		101	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	21.8		"	20.0		109	77-133				
p-Isopropyltoluene	10.6		"	10.0		106	81-136				
sec-Butylbenzene	11.1		"	10.0		111	79-137				
Styrene	10.7		"	10.0		107	67-132				
tert-Butyl alcohol (TBA)	47.0		"	50.0		94.0	25-162				
tert-Butylbenzene	8.54		"	10.0		85.4	77-138				
Tetrachloroethylene	9.53		"	10.0		95.3	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132				
trans-1,3-Dichloropropylene	9.97		"	10.0		99.7	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	11.4		"	10.0		114	67-139				
Vinyl Chloride	10.3		"	10.0		103	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	9.93		"	10.0		99.3	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.79		"	10.0		97.9	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 BC10886 - EPA 5030B											
LCS Dup (BC10886-BSD1)	LCS Dup			Prepared: 03/15/2021 Analyzed: 03/16/2021							
1,1,1,2-Tetrachloroethane	9.92		ug/L	10.0		99.2	82-126		0.708	30	
1,1,1-Trichloroethane	9.94		"	10.0		99.4	78-136		2.68	30	
1,1,2,2-Tetrachloroethane	9.99		"	10.0		99.9	76-129		1.11	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.5		"	10.0		115	54-165		2.66	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123		2.33	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		1.15	30	
1,1-Dichloroethylene	11.2		"	10.0		112	68-138		3.25	30	
1,2,3-Trichlorobenzene	8.95		"	10.0		89.5	76-136		0.224	30	
1,2,3-Trichloropropane	9.79		"	10.0		97.9	77-128		2.06	30	
1,2,4-Trichlorobenzene	9.49		"	10.0		94.9	76-137		0.211	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		0.0977	30	
1,2-Dibromo-3-chloropropane	8.10		"	10.0		81.0	45-147		14.3	30	
1,2-Dibromoethane	10.3		"	10.0		103	83-124		1.86	30	
1,2-Dichlorobenzene	9.48		"	10.0		94.8	79-123		0.211	30	
1,2-Dichloroethane	10.6		"	10.0		106	73-132		0.377	30	
1,2-Dichloropropane	10.7		"	10.0		107	78-126		1.22	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		0.290	30	
1,3-Dichlorobenzene	9.41		"	10.0		94.1	86-122		0.00	30	
1,4-Dichlorobenzene	9.35		"	10.0		93.5	85-124		0.00	30	
1,4-Dioxane	228		"	210		109	10-349		3.07	30	
2-Butanone	10.3		"	10.0		103	49-152		1.83	30	
2-Hexanone	11.0		"	10.0		110	51-146		1.47	30	
4-Methyl-2-pentanone	10.8		"	10.0		108	57-145		3.38	30	
Acetone	11.5		"	10.0		115	14-150		1.49	30	
Acrolein	10.8		"	10.0		108	10-153		4.61	30	
Acrylonitrile	11.1		"	10.0		111	51-150		0.451	30	
Benzene	10.4		"	10.0		104	85-126		1.43	30	
Bromochloromethane	11.4		"	10.0		114	77-128		0.352	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		0.196	30	
Bromoform	9.22		"	10.0		92.2	78-133		2.41	30	
Bromomethane	7.38		"	10.0		73.8	43-168		4.57	30	
Carbon disulfide	10.7		"	10.0		107	68-146		3.21	30	
Carbon tetrachloride	10.0		"	10.0		100	77-141		2.66	30	
Chlorobenzene	10.1		"	10.0		101	88-120		0.397	30	
Chloroethane	12.8		"	10.0		128	65-136		1.85	30	
Chloroform	10.4		"	10.0		104	82-128		0.575	30	
Chloromethane	8.27		"	10.0		82.7	43-155		1.68	30	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	83-129		1.23	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131		1.40	30	
Cyclohexane	9.38		"	10.0		93.8	63-149		2.01	30	
Dibromochloromethane	9.94		"	10.0		99.4	80-130		0.707	30	
Dibromomethane	10.4		"	10.0		104	72-134		1.84	30	
Dichlorodifluoromethane	11.1		"	10.0		111	44-144		3.47	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		0.185	30	
Hexachlorobutadiene	11.5		"	10.0		115	67-146		3.50	30	
Isopropylbenzene	9.88		"	10.0		98.8	76-140		0.907	30	
Methyl acetate	9.68		"	10.0		96.8	51-139		1.14	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		0.846	30	
Methylcyclohexane	11.1		"	10.0		111	72-143		0.450	30	
Methylene chloride	11.3		"	10.0		113	55-137		0.706	30	
n-Butylbenzene	11.5		"	10.0		115	79-132		1.47	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10886 - EPA 5030B

LCS Dup (BC10886-BSD1)	LCS Dup	Prepared: 03/15/2021 Analyzed: 03/16/2021									
n-Propylbenzene	10.0		ug/L	10.0		100	78-133		0.793	30	
o-Xylene	10.8		"	10.0		108	78-130		0.186	30	
p- & m- Xylenes	21.9		"	20.0		110	77-133		0.458	30	
p-Isopropyltoluene	10.5		"	10.0		105	81-136		0.475	30	
sec-Butylbenzene	10.9		"	10.0		109	79-137		1.55	30	
Styrene	10.8		"	10.0		108	67-132		0.557	30	
tert-Butyl alcohol (TBA)	47.8		"	50.0		95.5	25-162		1.60	30	
tert-Butylbenzene	8.46		"	10.0		84.6	77-138		0.941	30	
Tetrachloroethylene	9.51		"	10.0		95.1	82-131		0.210	30	
Toluene	10.4		"	10.0		104	80-127		0.0963	30	
trans-1,2-Dichloroethylene	11.1		"	10.0		111	80-132		2.40	30	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131		1.30	30	
Trichloroethylene	10.0		"	10.0		100	82-128		0.793	30	
Trichlorofluoromethane	11.1		"	10.0		111	67-139		2.05	30	
Vinyl Chloride	9.93		"	10.0		99.3	58-145		3.56	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.75		"	10.0		97.5	79-122				

Batch BC10963 - EPA 5030B

Blank (BC10963-BLK1)	Blank	Prepared: 03/16/2021 Analyzed: 03/17/2021									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.700	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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 BC10963 - EPA 5030B

Blank (BC10963-BLK1)	Blank	Prepared: 03/16/2021 Analyzed: 03/17/2021									
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: SURRE: Toluene-d8	9.90		"	10.0		99.0	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.59		"	10.0		95.9	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 BC10963 - EPA 5030B											
LCS (BC10963-BS1)	LCS					Prepared: 03/16/2021 Analyzed: 03/17/2021					
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	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)	11.8		"	10.0		118	54-165				
1,1,2-Trichloroethane	10.5		"	10.0		105	82-123				
1,1-Dichloroethane	11.0		"	10.0		110	82-129				
1,1-Dichloroethylene	11.6		"	10.0		116	68-138				
1,2,3-Trichlorobenzene	8.65		"	10.0		86.5	76-136				
1,2,3-Trichloropropane	10.2		"	10.0		102	77-128				
1,2,4-Trichlorobenzene	9.70		"	10.0		97.0	76-137				
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132				
1,2-Dibromo-3-chloropropane	9.89		"	10.0		98.9	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123				
1,2-Dichloroethane	10.9		"	10.0		109	73-132				
1,2-Dichloropropane	11.1		"	10.0		111	78-126				
1,3,5-Trimethylbenzene	11.2		"	10.0		112	80-131				
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122				
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124				
1,4-Dioxane	229		"	210		109	10-349				
2-Butanone	10.8		"	10.0		108	49-152				
2-Hexanone	10.9		"	10.0		109	51-146				
4-Methyl-2-pentanone	10.6		"	10.0		106	57-145				
Acetone	10.5		"	10.0		105	14-150				
Acrolein	11.3		"	10.0		113	10-153				
Acrylonitrile	11.2		"	10.0		112	51-150				
Benzene	10.9		"	10.0		109	85-126				
Bromochloromethane	11.8		"	10.0		118	77-128				
Bromodichloromethane	10.7		"	10.0		107	79-128				
Bromoform	9.30		"	10.0		93.0	78-133				
Bromomethane	5.11		"	10.0		51.1	43-168				
Carbon disulfide	11.3		"	10.0		113	68-146				
Carbon tetrachloride	10.5		"	10.0		105	77-141				
Chlorobenzene	10.5		"	10.0		105	88-120				
Chloroethane	13.4		"	10.0		134	65-136				
Chloroform	10.8		"	10.0		108	82-128				
Chloromethane	7.58		"	10.0		75.8	43-155				
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129				
cis-1,3-Dichloropropylene	10.7		"	10.0		107	80-131				
Cyclohexane	9.48		"	10.0		94.8	63-149				
Dibromochloromethane	10.2		"	10.0		102	80-130				
Dibromomethane	10.5		"	10.0		105	72-134				
Dichlorodifluoromethane	10.2		"	10.0		102	44-144				
Ethyl Benzene	11.2		"	10.0		112	80-131				
Hexachlorobutadiene	11.5		"	10.0		115	67-146				
Isopropylbenzene	10.8		"	10.0		108	76-140				
Methyl acetate	10.4		"	10.0		104	51-139				
Methyl tert-butyl ether (MTBE)	11.0		"	10.0		110	76-135				
Methylcyclohexane	11.2		"	10.0		112	72-143				
Methylene chloride	11.8		"	10.0		118	55-137				
n-Butylbenzene	11.9		"	10.0		119	79-132				



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 BC10963 - EPA 5030B											
LCS (BC10963-BS1)	LCS		Prepared: 03/16/2021 Analyzed: 03/17/2021								
n-Propylbenzene	11.0		ug/L	10.0		110	78-133				
o-Xylene	11.1		"	10.0		111	78-130				
p- & m- Xylenes	22.6		"	20.0		113	77-133				
p-Isopropyltoluene	11.3		"	10.0		113	81-136				
sec-Butylbenzene	11.7		"	10.0		117	79-137				
Styrene	11.2		"	10.0		112	67-132				
tert-Butyl alcohol (TBA)	46.5		"	50.0		93.1	25-162				
tert-Butylbenzene	9.19		"	10.0		91.9	77-138				
Tetrachloroethylene	9.92		"	10.0		99.2	82-131				
Toluene	10.8		"	10.0		108	80-127				
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132				
trans-1,3-Dichloropropylene	10.7		"	10.0		107	78-131				
Trichloroethylene	10.6		"	10.0		106	82-128				
Trichlorofluoromethane	11.3		"	10.0		113	67-139				
Vinyl Chloride	9.72		"	10.0		97.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURR: Toluene-d8	9.92		"	10.0		99.2	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.2		"	10.0		102	79-122				
LCS Dup (BC10963-BSD1)	LCS Dup		Prepared: 03/16/2021 Analyzed: 03/17/2021								
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		1.65	30	
1,1,1-Trichloroethane	10.3		"	10.0		103	78-136		2.11	30	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129		3.29	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	54-165		1.88	30	
1,1,2-Trichloroethane	10.7		"	10.0		107	82-123		1.70	30	
1,1-Dichloroethane	10.7		"	10.0		107	82-129		3.05	30	
1,1-Dichloroethylene	11.3		"	10.0		113	68-138		2.79	30	
1,2,3-Trichlorobenzene	8.88		"	10.0		88.8	76-136		2.62	30	
1,2,3-Trichloropropane	9.99		"	10.0		99.9	77-128		2.47	30	
1,2,4-Trichlorobenzene	9.63		"	10.0		96.3	76-137		0.724	30	
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132		7.74	30	
1,2-Dibromo-3-chloropropane	8.75		"	10.0		87.5	45-147		12.2	30	
1,2-Dibromoethane	10.7		"	10.0		107	83-124		2.56	30	
1,2-Dichlorobenzene	9.69		"	10.0		96.9	79-123		4.64	30	
1,2-Dichloroethane	11.2		"	10.0		112	73-132		1.99	30	
1,2-Dichloropropane	10.9		"	10.0		109	78-126		1.54	30	
1,3,5-Trimethylbenzene	10.4		"	10.0		104	80-131		8.24	30	
1,3-Dichlorobenzene	9.65		"	10.0		96.5	86-122		5.84	30	
1,4-Dichlorobenzene	9.60		"	10.0		96.0	85-124		6.35	30	
1,4-Dioxane	245		"	210		117	10-349		6.98	30	
2-Butanone	11.0		"	10.0		110	49-152		2.11	30	
2-Hexanone	11.5		"	10.0		115	51-146		5.44	30	
4-Methyl-2-pentanone	11.2		"	10.0		112	57-145		4.59	30	
Acetone	11.2		"	10.0		112	14-150		5.80	30	
Acrolein	12.0		"	10.0		120	10-153		5.85	30	
Acrylonitrile	11.8		"	10.0		118	51-150		5.65	30	
Benzene	10.7		"	10.0		107	85-126		1.94	30	
Bromochloromethane	11.9		"	10.0		119	77-128		0.762	30	
Bromodichloromethane	10.4		"	10.0		104	79-128		2.94	30	
Bromoform	9.65		"	10.0		96.5	78-133		3.69	30	
Bromomethane	5.15		"	10.0		51.5	43-168		0.780	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10963 - EPA 5030B

LCS Dup (BC10963-BSD1) LCS Dup		Prepared: 03/16/2021 Analyzed: 03/17/2021									
Carbon disulfide	11.0		ug/L	10.0		110	68-146		3.14	30	
Carbon tetrachloride	10.2		"	10.0		102	77-141		2.22	30	
Chlorobenzene	10.4		"	10.0		104	88-120		1.15	30	
Chloroethane	12.9		"	10.0		129	65-136		3.96	30	
Chloroform	10.7		"	10.0		107	82-128		0.742	30	
Chloromethane	7.10		"	10.0		71.0	43-155		6.54	30	
cis-1,2-Dichloroethylene	11.1		"	10.0		111	83-129		1.34	30	
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131		0.750	30	
Cyclohexane	9.35		"	10.0		93.5	63-149		1.38	30	
Dibromochloromethane	10.5		"	10.0		105	80-130		2.51	30	
Dibromomethane	10.6		"	10.0		106	72-134		1.23	30	
Dichlorodifluoromethane	9.71		"	10.0		97.1	44-144		4.53	30	
Ethyl Benzene	11.0		"	10.0		110	80-131		1.72	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		4.43	30	
Isopropylbenzene	9.87		"	10.0		98.7	76-140		9.18	30	
Methyl acetate	10.9		"	10.0		109	51-139		4.61	30	
Methyl tert-butyl ether (MTBE)	11.2		"	10.0		112	76-135		1.53	30	
Methylcyclohexane	11.0		"	10.0		110	72-143		2.07	30	
Methylene chloride	11.9		"	10.0		119	55-137		1.09	30	
n-Butylbenzene	11.5		"	10.0		115	79-132		3.16	30	
n-Propylbenzene	10.1		"	10.0		101	78-133		8.27	30	
o-Xylene	11.0		"	10.0		110	78-130		1.27	30	
p- & m- Xylenes	22.3		"	20.0		112	77-133		1.56	30	
p-Isopropyltoluene	10.6		"	10.0		106	81-136		6.78	30	
sec-Butylbenzene	10.9		"	10.0		109	79-137		7.24	30	
Styrene	11.0		"	10.0		110	67-132		1.26	30	
tert-Butyl alcohol (TBA)	51.1		"	50.0		102	25-162		9.42	30	
tert-Butylbenzene	8.50		"	10.0		85.0	77-138		7.80	30	
Tetrachloroethylene	9.69		"	10.0		96.9	82-131		2.35	30	
Toluene	10.6		"	10.0		106	80-127		2.15	30	
trans-1,2-Dichloroethylene	11.5		"	10.0		115	80-132		2.75	30	
trans-1,3-Dichloropropylene	10.8		"	10.0		108	78-131		1.30	30	
Trichloroethylene	10.3		"	10.0		103	82-128		2.49	30	
Trichlorofluoromethane	11.0		"	10.0		110	67-139		2.69	30	
Vinyl Chloride	9.27		"	10.0		92.7	58-145		4.74	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	9.88		"	10.0		98.8	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.62		"	10.0		96.2	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 BC10963 - EPA 5030B											
Matrix Spike (BC10963-MS1)	Matrix Spike	*Source sample: 21C0665-02 (MW11_031221)					Prepared: 03/16/2021 Analyzed: 03/17/2021				
1,1,1,2-Tetrachloroethane	9.61		ug/L	10.0	0.00	96.1	45-161				
1,1,1-Trichloroethane	10.5		"	10.0	0.00	105	70-146				
1,1,2,2-Tetrachloroethane	9.16		"	10.0	0.00	91.6	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.3		"	10.0	0.00	113	21-217				
1,1,2-Trichloroethane	13.6		"	10.0	0.00	136	59-146				
1,1-Dichloroethane	10.9		"	10.0	0.00	109	54-146				
1,1-Dichloroethylene	12.1		"	10.0	0.00	121	44-165				
1,2,3-Trichlorobenzene	7.77		"	10.0	0.00	77.7	40-161				
1,2,3-Trichloropropane	8.88		"	10.0	0.00	88.8	74-127				
1,2,4-Trichlorobenzene	8.49		"	10.0	0.00	84.9	41-161				
1,2,4-Trimethylbenzene	13.6		"	10.0	4.45	91.7	72-129				
1,2-Dibromo-3-chloropropane	7.74		"	10.0	0.00	77.4	31-151				
1,2-Dibromoethane	10.0		"	10.0	0.00	100	75-125				
1,2-Dichlorobenzene	8.76		"	10.0	0.00	87.6	63-122				
1,2-Dichloroethane	10.6		"	10.0	0.00	106	68-131				
1,2-Dichloropropane	10.9		"	10.0	0.00	109	77-121				
1,3,5-Trimethylbenzene	11.5		"	10.0	2.05	94.6	69-126				
1,3-Dichlorobenzene	8.82		"	10.0	0.00	88.2	74-119				
1,4-Dichlorobenzene	8.69		"	10.0	0.00	86.9	70-124				
1,4-Dioxane	198		"	210	0.00	94.3	10-310				
2-Butanone	11.5		"	10.0	0.00	115	10-193				
2-Hexanone	11.4		"	10.0	0.00	114	53-133				
4-Methyl-2-pentanone	10.4		"	10.0	0.00	104	38-150				
Acetone	38.4		"	10.0	32.5	58.7	13-149				
Acrolein	8.47		"	10.0	0.00	84.7	10-195				
Acrylonitrile	11.1		"	10.0	0.00	111	37-165				
Benzene	13.4		"	10.0	2.79	106	38-155				
Bromochloromethane	11.5		"	10.0	0.00	115	75-121				
Bromodichloromethane	10.0		"	10.0	0.00	100	70-129				
Bromoform	8.46		"	10.0	0.00	84.6	66-136				
Bromomethane	3.06		"	10.0	0.00	30.6	30-158				
Carbon disulfide	14.8		"	10.0	3.14	117	10-138				
Carbon tetrachloride	10.5		"	10.0	0.00	105	71-146				
Chlorobenzene	10.1		"	10.0	0.00	101	81-117				
Chloroethane	13.5		"	10.0	0.00	135	51-145				
Chloroform	10.8		"	10.0	0.00	108	80-124				
Chloromethane	7.63		"	10.0	0.00	76.3	16-163				
cis-1,2-Dichloroethylene	10.4		"	10.0	0.00	104	76-125				
cis-1,3-Dichloropropylene	9.23		"	10.0	0.00	92.3	58-131				
Cyclohexane	49.8		"	10.0	46.4	34.8	70-130	Low Bias			
Dibromochloromethane	9.57		"	10.0	0.00	95.7	71-129				
Dibromomethane	10.1		"	10.0	0.00	101	76-120				
Dichlorodifluoromethane	9.90		"	10.0	0.00	99.0	30-147				
Ethyl Benzene	11.6		"	10.0	0.730	108	72-128				
Hexachlorobutadiene	7.50		"	10.0	0.00	75.0	34-166				
Isopropylbenzene	11.1		"	10.0	1.83	93.0	66-139				
Methyl acetate	8.68		"	10.0	0.00	86.8	10-200				
Methyl tert-butyl ether (MTBE)	10.5		"	10.0	0.00	105	75-128				
Methylcyclohexane	34.2		"	10.0	30.0	42.0	70-130	Low Bias			
Methylene chloride	12.6		"	10.0	0.00	126	57-128				
n-Butylbenzene	9.61		"	10.0	0.240	93.7	61-138				



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 BC10963 - EPA 5030B											
Matrix Spike (BC10963-MS1)	Matrix Spike	*Source sample: 21C0665-02 (MW11_031221)					Prepared: 03/16/2021 Analyzed: 03/17/2021				
n-Propylbenzene	9.68		ug/L	10.0	0.310	93.7	66-134				
o-Xylene	12.6		"	10.0	2.07	105	69-126				
p- & m- Xylenes	23.8		"	20.0	2.17	108	67-130				
p-Isopropyltoluene	10.8		"	10.0	1.58	92.2	64-137				
sec-Butylbenzene	10.7		"	10.0	1.03	96.3	53-155				
Styrene	10.5		"	10.0	0.00	105	69-125				
tert-Butyl alcohol (TBA)	0.00		"	50.0	0.00		10-130	Low Bias			
tert-Butylbenzene	8.32		"	10.0	0.660	76.6	65-139				
Tetrachloroethylene	9.88		"	10.0	0.00	98.8	64-139				
Toluene	50.8		"	10.0	42.5	83.8	76-123				
trans-1,2-Dichloroethylene	11.8		"	10.0	0.00	118	79-131				
trans-1,3-Dichloropropylene	9.19		"	10.0	0.00	91.9	55-130				
Trichloroethylene	10.5		"	10.0	0.00	105	53-145				
Trichlorofluoromethane	11.8		"	10.0	0.00	118	61-142				
Vinyl Chloride	10.2		"	10.0	0.00	102	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.8		"	10.0		108	69-130				
Surrogate: SURR: Toluene-d8	9.96		"	10.0		99.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.21		"	10.0		92.1	79-122				
Matrix Spike Dup (BC10963-1)	Matrix Spike Dup	*Source sample: 21C0665-02 (MW11_031221)					Prepared: 03/16/2021 Analyzed: 03/17/2021				
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0	0.00	102	45-161		5.66	30	
1,1,1-Trichloroethane	11.3		"	10.0	0.00	113	70-146		7.24	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0	0.00	105	74-121		13.5	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.0		"	10.0	0.00	130	21-217		13.8	30	
1,1,2-Trichloroethane	16.0		"	10.0	0.00	160	59-146	High Bias	16.3	30	
1,1-Dichloroethane	11.4		"	10.0	0.00	114	54-146		5.01	30	
1,1-Dichloroethylene	12.7		"	10.0	0.00	127	44-165		4.93	30	
1,2,3-Trichlorobenzene	8.58		"	10.0	0.00	85.8	40-161		9.91	30	
1,2,3-Trichloropropane	9.75		"	10.0	0.00	97.5	74-127		9.34	30	
1,2,4-Trichlorobenzene	9.22		"	10.0	0.00	92.2	41-161		8.24	30	
1,2,4-Trimethylbenzene	14.4		"	10.0	4.45	99.0	72-129		5.22	30	
1,2-Dibromo-3-chloropropane	8.50		"	10.0	0.00	85.0	31-151		9.36	30	
1,2-Dibromoethane	10.7		"	10.0	0.00	107	75-125		6.19	30	
1,2-Dichlorobenzene	9.25		"	10.0	0.00	92.5	63-122		5.44	30	
1,2-Dichloroethane	11.3		"	10.0	0.00	113	68-131		6.20	30	
1,2-Dichloropropane	11.5		"	10.0	0.00	115	77-121		5.54	30	
1,3,5-Trimethylbenzene	12.1		"	10.0	2.05	101	69-126		5.33	30	
1,3-Dichlorobenzene	9.24		"	10.0	0.00	92.4	74-119		4.65	30	
1,4-Dichlorobenzene	9.06		"	10.0	0.00	90.6	70-124		4.17	30	
1,4-Dioxane	211		"	210	0.00	100	10-310		6.16	30	
2-Butanone	12.7		"	10.0	0.00	127	10-193		9.42	30	
2-Hexanone	12.3		"	10.0	0.00	123	53-133		7.86	30	
4-Methyl-2-pentanone	11.5		"	10.0	0.00	115	38-150		9.65	30	
Acetone	45.5		"	10.0	32.5	130	13-149		16.9	30	
Acrolein	8.70		"	10.0	0.00	87.0	10-195		2.68	30	
Acrylonitrile	12.0		"	10.0	0.00	120	37-165		8.30	30	
Benzene	14.1		"	10.0	2.79	113	38-155		5.17	30	
Bromochloromethane	12.2		"	10.0	0.00	122	75-121	High Bias	6.16	30	
Bromodichloromethane	10.6		"	10.0	0.00	106	70-129		6.20	30	
Bromoform	9.31		"	10.0	0.00	93.1	66-136		9.57	30	
Bromomethane	3.35		"	10.0	0.00	33.5	30-158		9.05	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10963 - EPA 5030B											
Matrix Spike Dup (BC10963-1)				Matrix Spike Dup				Source sample: 21C0665-02 (MW11_031221)			
								Prepared: 03/16/2021 Analyzed: 03/17/2021			
Carbon disulfide	15.6		ug/L	10.0	3.14	125	10-138		5.45	30	
Carbon tetrachloride	11.4		"	10.0	0.00	114	71-146		8.03	30	
Chlorobenzene	10.6		"	10.0	0.00	106	81-117		4.85	30	
Chloroethane	14.0		"	10.0	0.00	140	51-145		3.71	30	
Chloroform	11.5		"	10.0	0.00	115	80-124		6.18	30	
Chloromethane	8.03		"	10.0	0.00	80.3	16-163		5.11	30	
cis-1,2-Dichloroethylene	11.0		"	10.0	0.00	110	76-125		5.23	30	
cis-1,3-Dichloropropylene	9.70		"	10.0	0.00	97.0	58-131		4.97	30	
Cyclohexane	58.1		"	10.0	46.4	118	70-130		15.3	30	
Dibromochloromethane	10.2		"	10.0	0.00	102	71-129		6.67	30	
Dibromomethane	10.8		"	10.0	0.00	108	76-120		6.88	30	
Dichlorodifluoromethane	11.3		"	10.0	0.00	113	30-147		12.9	30	
Ethyl Benzene	12.1		"	10.0	0.730	114	72-128		4.57	30	
Hexachlorobutadiene	10.8		"	10.0	0.00	108	34-166		36.1	30	Non-dir.
Isopropylbenzene	11.4		"	10.0	1.83	95.7	66-139		2.40	30	
Methyl acetate	9.13		"	10.0	0.00	91.3	10-200		5.05	30	
Methyl tert-butyl ether (MTBE)	11.1		"	10.0	0.00	111	75-128		5.47	30	
Methylcyclohexane	43.3		"	10.0	30.0	133	70-130	High Bias	23.6	30	
Methylene chloride	12.4		"	10.0	0.00	124	57-128		1.52	30	
n-Butylbenzene	9.62		"	10.0	0.240	93.8	61-138		0.104	30	
n-Propylbenzene	10.4		"	10.0	0.310	101	66-134		7.08	30	
o-Xylene	13.2		"	10.0	2.07	111	69-126		4.42	30	
p- & m- Xylenes	24.9		"	20.0	2.17	114	67-130		4.44	30	
p-Isopropyltoluene	11.6		"	10.0	1.58	99.8	64-137		6.80	30	
sec-Butylbenzene	11.6		"	10.0	1.03	106	53-155		8.27	30	
Styrene	11.0		"	10.0	0.00	110	69-125		5.12	30	
tert-Butyl alcohol (TBA)	0.00		"	50.0	0.00		10-130	Low Bias		30	
tert-Butylbenzene	9.02		"	10.0	0.660	83.6	65-139		8.07	30	
Tetrachloroethylene	10.3		"	10.0	0.00	103	64-139		3.87	30	
Toluene	51.8		"	10.0	42.5	93.4	76-123		1.87	30	
trans-1,2-Dichloroethylene	12.3		"	10.0	0.00	123	79-131		4.64	30	
trans-1,3-Dichloropropylene	9.70		"	10.0	0.00	97.0	55-130		5.40	30	
Trichloroethylene	11.0		"	10.0	0.00	110	53-145		4.85	30	
Trichlorofluoromethane	12.5		"	10.0	0.00	125	61-142		6.33	30	
Vinyl Chloride	10.8		"	10.0	0.00	108	31-165		5.98	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.9		"	10.0		109	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	8.96		"	10.0		89.6	79-122				



Semivolatile 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 BC11080 - EPA 3510C

Blank (BC11080-BLK2)	Blank	Prepared & Analyzed: 03/18/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								



Semivolatile 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 BC11080 - EPA 3510C

Blank (BC11080-BLK2)	Blank		Prepared & Analyzed: 03/18/2021								
Dibenzofuran	ND	5.00	ug/L								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	0.0600	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC11080 - EPA 3510C											
LCS (BC11080-BS2)	LCS	Prepared & Analyzed: 03/18/2021									
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.810	0.0500	"	1.00		81.0	25-116				
Acenaphthylene	0.870	0.0500	"	1.00		87.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.800	0.0500	"	1.00		80.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.870	0.0500	"	1.00		87.0	33-125				
Benzo(a)pyrene	0.770	0.0500	"	1.00		77.0	32-132				
Benzo(b)fluoranthene	0.850	0.0500	"	1.00		85.0	22-137				
Benzo(g,h,i)perylene	1.64	0.0500	"	1.00		164	10-138	High Bias			
Benzo(k)fluoranthene	0.780	0.0500	"	1.00		78.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			
Bis(2-ethylhexyl)phthalate	1.76	0.500	"	1.00		176	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.890	0.0500	"	1.00		89.0	32-124				
Dibenzo(a,h)anthracene	1.54	0.0500	"	1.00		154	16-133	High Bias			
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			



Semivolatile 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 BC11080 - EPA 3510C

LCS (BC11080-BS2)	LCS	Prepared & Analyzed: 03/18/2021									
Dimethyl phthalate	ND	5.00	ug/L	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.840	0.0500	"	1.00		84.0	32-121				
Fluorene	0.830	0.0500	"	1.00		83.0	28-118				
Hexachlorobenzene	0.700	0.0200	"	1.00		70.0	23-124				
Hexachlorobutadiene	0.770	0.500	"	1.00		77.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.780	0.500	"	1.00		78.0	18-115				
Indeno(1,2,3-cd)pyrene	1.43	0.0500	"	1.00		143	15-135	High Bias			
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	1.82	0.0500	"	1.00		182	18-120	High Bias			
Nitrobenzene	0.820	0.250	"	1.00		82.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	1.02	0.250	"	1.00		102	10-156				
Phenanthrene	0.840	0.0500	"	1.00		84.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.860	0.0500	"	1.00		86.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC11102 - EPA 3535A											
Blank (BC11102-BLK1)	Blank		Prepared: 03/18/2021 Analyzed: 03/19/2021								
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.72		"	4.00		68.0	36.6-118				
LCS (BC11102-BS1)	LCS		Prepared: 03/18/2021 Analyzed: 03/19/2021								
1,4-Dioxane	4.75	0.300	ug/L	4.00		119	50-130				
Surrogate: 1,4-Dioxane-d8	2.56		"	4.00		64.0	36.6-118				
Matrix Spike (BC11102-MS1)	Matrix Spike	*Source sample: 21C0665-05 (GWFB01_031221)					Prepared: 03/18/2021 Analyzed: 03/19/2021				
1,4-Dioxane	4.75	0.300	ug/L	4.00	ND	119	50-130				
Surrogate: 1,4-Dioxane-d8	2.56		"	4.00		64.0	50-130				
Matrix Spike Dup (BC11102-MS1)	Matrix Spike Dup	*Source sample: 21C0665-05 (GWFB01_031221)					Prepared: 03/18/2021 Analyzed: 03/19/2021				
1,4-Dioxane	4.70	0.300	ug/L	4.00	ND	118	50-130		1.02	30	
Surrogate: 1,4-Dioxane-d8	2.72		"	4.00		68.0	50-130				



PFAS Target compounds by LC/MS-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 BC10850 - SPE Ext-PFAS-EPA 537.1M											
Blank (BC10850-BLK1)	Blank										Prepared: 03/15/2021 Analyzed: 03/16/2021
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	77.7		"	74.3		105	25-150				
Surrogate: M5PFHxA	82.7		"	80.0		103	25-150				
Surrogate: M4PFHpA	71.3		"	80.0		89.1	25-150				
Surrogate: M3PFHxS	73.6		"	75.7		97.2	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	75.9		"	80.0		94.8	25-150				
Surrogate: M6PFDA	64.2		"	80.0		80.3	25-150				
Surrogate: M7PFUdA	51.1		"	80.0		63.9	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	42.6		"	80.0		53.2	25-150				
Surrogate: M2PFTeDA	29.7		"	80.0		37.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	84.7		"	80.0		106	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	73.3		"	76.6		95.7	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	85.2		"	80.0		107	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	26.1		"	80.0		32.6	10-150				
Surrogate: d3-N-MeFOSAA	32.6		"	80.0		40.8	25-150				
Surrogate: d5-N-EtFOSAA	29.2		"	80.0		36.5	25-150				
Surrogate: M2-6:2 FTS	61.6		"	75.9		81.1	25-150				
Surrogate: M2-8:2 FTS	68.5		"	76.6		89.4	25-150				
Surrogate: M9PFNA	78.6		"	80.0		98.3	25-150				



PFAS Target compounds by LC/MS-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 BC10850 - SPE Ext-PFAS-EPA 537.1M

LCS (BC10850-BS1)	LCS	Prepared: 03/15/2021 Analyzed: 03/17/2021									
Perfluorobutanesulfonic acid (PFBS)	66.7	2.00	ng/L	70.8		94.1	50-130				
Perfluorohexanoic acid (PFHxA)	74.1	2.00	"	80.0		92.6	50-130				
Perfluoroheptanoic acid (PFHpA)	82.9	2.00	"	80.0		104	50-130				
Perfluorohexanesulfonic acid (PFHxS)	56.6	2.00	"	73.0		77.6	50-130				
Perfluorooctanoic acid (PFOA)	72.8	2.00	"	80.0		91.0	50-130				
Perfluorooctanesulfonic acid (PFOS)	54.4	2.00	"	74.1		73.5	50-130				
Perfluorononanoic acid (PFNA)	74.2	2.00	"	80.0		92.7	50-130				
Perfluorodecanoic acid (PFDA)	78.6	2.00	"	80.0		98.3	50-130				
Perfluoroundecanoic acid (PFUnA)	75.6	2.00	"	80.0		94.5	50-130				
Perfluorododecanoic acid (PFDoA)	74.6	2.00	"	80.0		93.2	50-130				
Perfluorotridecanoic acid (PFTDA)	72.5	2.00	"	80.0		90.7	50-130				
Perfluorotetradecanoic acid (PFTA)	74.9	2.00	"	80.0		93.6	50-130				
N-MeFOSAA	72.2	2.00	"	80.0		90.3	50-130				
N-EtFOSAA	75.4	2.00	"	80.0		94.2	50-130				
Perfluoropentanoic acid (PFPeA)	74.2	2.00	"	80.0		92.7	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.7	2.00	"	80.0		95.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	76.0	2.00	"	76.0		100	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	62.9	2.00	"	77.2		81.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	73.8	5.00	"	76.0		97.1	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	73.9	2.00	"	76.8		96.2	50-130				
Perfluoro-n-butanoic acid (PFBA)	75.8	2.00	"	80.0		94.8	50-130				
Surrogate: M3PFBS	71.5		"	74.3		96.2	25-150				
Surrogate: M5PFHxA	76.6		"	80.0		95.8	25-150				
Surrogate: M4PFHpA	66.2		"	80.0		82.7	25-150				
Surrogate: M3PFHxS	68.3		"	75.7		90.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	70.8		"	80.0		88.5	25-150				
Surrogate: M6PFDA	62.8		"	80.0		78.5	25-150				
Surrogate: M7PFUdA	59.5		"	80.0		74.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	52.3		"	80.0		65.4	25-150				
Surrogate: M2PFTeDA	31.3		"	80.0		39.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	78.5		"	80.0		98.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	67.3		"	76.6		87.9	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	80.4		"	80.0		101	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	32.5		"	80.0		40.7	10-150				
Surrogate: d3-N-MeFOSAA	46.4		"	80.0		58.0	25-150				
Surrogate: d5-N-EtFOSAA	40.9		"	80.0		51.1	25-150				
Surrogate: M2-6:2 FTS	65.9		"	75.9		86.8	25-150				
Surrogate: M2-8:2 FTS	63.1		"	76.6		82.3	25-150				
Surrogate: M9PFNA	67.7		"	80.0		84.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Flag	RPD	RPD		
		Limit			Result	Limits			Limit	Flag	
Batch BC10850 - SPE Ext-PFAS-EPA 537.1M											
Matrix Spike (BC10850-MS1)		Matrix Spike	*Source sample: 21C0665-02 (MW11_031221)					Prepared: 03/15/2021 Analyzed: 03/17/2021			
Perfluorobutanesulfonic acid (PFBS)	35.0	0.906	ng/L	32.1	ND	109	25-150				
Perfluorohexanoic acid (PFHxA)	42.4	0.906	"	36.2	4.61	104	25-150				
Perfluoroheptanoic acid (PFHpA)	56.3	0.906	"	36.2	3.81	145	25-150				
Perfluorohexanesulfonic acid (PFHxS)	27.6	0.906	"	33.0	ND	83.4	25-150				
Perfluorooctanoic acid (PFOA)	50.4	0.906	"	36.2	15.9	95.4	25-150				
Perfluorooctanesulfonic acid (PFOS)	31.9	0.906	"	33.6	7.08	74.0	25-150				
Perfluorononanoic acid (PFNA)	36.7	0.906	"	36.2	1.08	98.3	25-150				
Perfluorodecanoic acid (PFDA)	39.8	0.906	"	36.2	2.54	103	25-150				
Perfluoroundecanoic acid (PFUnA)	38.2	0.906	"	36.2	0.947	103	25-150				
Perfluorododecanoic acid (PFDoA)	38.5	0.906	"	36.2	ND	106	25-150				
Perfluorotridecanoic acid (PFTTrDA)	39.7	0.906	"	36.2	ND	110	25-150				
Perfluorotetradecanoic acid (PFTA)	36.3	0.906	"	36.2	ND	100	25-150				
N-MeFOSAA	40.9	0.906	"	36.2	0.909	110	25-150				
N-EtFOSAA	55.0	0.906	"	36.2	12.0	119	25-150				
Perfluoropentanoic acid (PFPeA)	41.5	0.906	"	36.2	ND	115	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	37.7	0.906	"	36.2	1.36	100	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	35.5	0.906	"	34.4	ND	103	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	31.7	0.906	"	35.0	ND	90.6	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	31.2	2.26	"	34.4	ND	90.5	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	37.4	0.906	"	34.8	ND	108	25-150				
Perfluoro-n-butanoic acid (PFBA)	40.6	0.906	"	36.2	ND	112	25-150				
Surrogate: M3PFBS	22.0		"	33.7		65.3	25-150				
Surrogate: M5PFHxA	25.3		"	36.2		69.8	25-150				
Surrogate: M4PFHpA	20.1		"	36.2		55.5	25-150				
Surrogate: M3PFHxS	32.7		"	34.3		95.3	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	36.4		"	36.2		100	25-150				
Surrogate: M6PFDA	31.0		"	36.2		85.5	25-150				
Surrogate: M7PFUdA	31.0		"	36.2		85.7	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	25.5		"	36.2		70.5	25-150				
Surrogate: M2PFTeDA	6.84		"	36.2		18.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	43.5		"	36.2		120	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	35.1		"	34.7		101	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	16.1		"	36.2		44.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	3.24		"	36.2		8.93	10-150				
Surrogate: d3-N-MeFOSAA	26.3		"	36.2		72.5	25-150				
Surrogate: d5-N-EtFOSAA	25.6		"	36.2		70.6	25-150				
Surrogate: M2-6:2 FTS	162		"	34.4		470	25-150				
Surrogate: M2-8:2 FTS	96.5		"	34.7		278	25-150				
Surrogate: M9PFNA	35.3		"	36.2		97.6	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC10850 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BC10850-1) Matrix Spike Dup				Source sample: 21C0665-02 (MW11_031221)				Prepared: 03/15/2021 Analyzed: 03/17/2021			
Perfluorobutanesulfonic acid (PFBS)	33.5	0.906	ng/L	32.1	ND	105	25-150		4.34	35	
Perfluorohexanoic acid (PFHxA)	41.6	0.906	"	36.2	4.61	102	25-150		1.86	35	
Perfluoroheptanoic acid (PFHpA)	55.4	0.906	"	36.2	3.81	142	25-150		1.55	35	
Perfluorohexanesulfonic acid (PFHxS)	27.4	0.906	"	33.0	ND	82.9	25-150		0.586	35	
Perfluorooctanoic acid (PFOA)	49.3	0.906	"	36.2	15.9	92.3	25-150		2.20	35	
Perfluorooctanesulfonic acid (PFOS)	32.2	0.906	"	33.6	7.08	74.8	25-150		0.875	35	
Perfluorononanoic acid (PFNA)	38.4	0.906	"	36.2	1.08	103	25-150		4.66	35	
Perfluorodecanoic acid (PFDA)	41.2	0.906	"	36.2	2.54	107	25-150		3.49	35	
Perfluoroundecanoic acid (PFUnA)	38.4	0.906	"	36.2	0.947	103	25-150		0.549	35	
Perfluorododecanoic acid (PFDoA)	37.2	0.906	"	36.2	ND	103	25-150		3.39	35	
Perfluorotridecanoic acid (PFTriDA)	35.3	0.906	"	36.2	ND	97.5	25-150		11.7	35	
Perfluorotetradecanoic acid (PFTA)	38.4	0.906	"	36.2	ND	106	25-150		5.64	35	
N-MeFOSAA	36.5	0.906	"	36.2	0.909	98.3	25-150		11.2	35	
N-EtFOSAA	50.8	0.906	"	36.2	12.0	107	25-150		7.80	35	
Perfluoropentanoic acid (PFPeA)	41.3	0.906	"	36.2	ND	114	25-150		0.483	35	
Perfluoro-1-octanesulfonamide (FOSA)	38.8	0.906	"	36.2	1.36	103	25-150		2.85	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	35.8	0.906	"	34.4	ND	104	25-150		0.734	35	
Perfluoro-1-decanesulfonic acid (PFDS)	32.7	0.906	"	35.0	ND	93.5	25-150		3.13	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	31.5	2.26	"	34.4	ND	91.6	25-150		1.17	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	40.5	0.906	"	34.8	ND	116	25-150		7.82	35	
Perfluoro-n-butanoic acid (PFBA)	39.8	0.906	"	36.2	ND	110	25-150		2.18	35	
Surrogate: M3PFBS	23.3		"	33.7		69.3	25-150				
Surrogate: M5PFHxA	26.1		"	36.2		72.1	25-150				
Surrogate: M4PFHpA	20.8		"	36.2		57.4	25-150				
Surrogate: M3PFHxS	33.8		"	34.3		98.6	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	37.7		"	36.2		104	25-150				
Surrogate: M6PFDA	31.1		"	36.2		85.8	25-150				
Surrogate: M7PFUdA	31.9		"	36.2		88.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	26.9		"	36.2		74.1	25-150				
Surrogate: M2PFTeDA	6.80		"	36.2		18.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	44.3		"	36.2		122	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	34.9		"	34.7		101	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	16.7		"	36.2		46.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.54		"	36.2		7.02	10-150				
Surrogate: d3-N-MeFOSAA	27.9		"	36.2		77.1	25-150				
Surrogate: d5-N-EtFOSAA	25.9		"	36.2		71.6	25-150				
Surrogate: M2-6:2 FTS	165		"	34.4		480	25-150				
Surrogate: M2-8:2 FTS	93.6		"	34.7		270	25-150				
Surrogate: M9PFNA	36.0		"	36.2		99.4	25-150				



Organochlorine Pesticides by GC/ECD - 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 BC11079 - EPA SW846-3510C Low Level

Blank (BC11079-BLK1)	Blank		Prepared & Analyzed: 03/18/2021								
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.239		"	0.200		120	30-150				
Surrogate: Tetrachloro-m-xylene	0.204		"	0.200		102	30-150				

LCS (BC11079-BS1)	LCS		Prepared & Analyzed: 03/18/2021								
4,4'-DDD	0.175	0.00400	ug/L	0.100		175	40-140	High Bias			
4,4'-DDE	0.131	0.00400	"	0.100		131	40-140				
4,4'-DDT	0.131	0.00400	"	0.100		131	40-140				
Aldrin	0.130	0.00400	"	0.100		130	40-140				
alpha-BHC	0.122	0.00400	"	0.100		122	40-140				
alpha-Chlordane	0.119	0.00400	"	0.100		119	40-140				
beta-BHC	0.141	0.00400	"	0.100		141	40-140	High Bias			
delta-BHC	0.136	0.00400	"	0.100		136	40-140				
Dieldrin	0.151	0.00200	"	0.100		151	40-140	High Bias			
Endosulfan I	0.147	0.00400	"	0.100		147	40-140	High Bias			
Endosulfan II	0.163	0.00400	"	0.100		163	40-140	High Bias			
Endosulfan sulfate	0.159	0.00400	"	0.100		159	40-140	High Bias			
Endrin	0.142	0.00400	"	0.100		142	40-140	High Bias			
Endrin aldehyde	0.154	0.0100	"	0.100		154	40-140	High Bias			
Endrin ketone	0.160	0.0100	"	0.100		160	40-140	High Bias			
gamma-BHC (Lindane)	0.130	0.00400	"	0.100		130	40-140				
gamma-Chlordane	0.130	0.0100	"	0.100		130	40-140				
Heptachlor	0.138	0.00400	"	0.100		138	40-140				
Heptachlor epoxide	0.146	0.00400	"	0.100		146	40-140	High Bias			
Methoxychlor	0.149	0.00400	"	0.100		149	40-140	High Bias			
Surrogate: Decachlorobiphenyl	0.224		"	0.200		112	30-150				
Surrogate: Tetrachloro-m-xylene	0.191		"	0.200		95.4	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC11079 - EPA SW846-3510C Low Level

LCS Dup (BC11079-BSD1) LCS Dup		Prepared & Analyzed: 03/18/2021									
4,4'-DDD	0.167	0.00400	ug/L	0.100		167	40-140	High Bias	4.91	20	
4,4'-DDE	0.125	0.00400	"	0.100		125	40-140		4.72	20	
4,4'-DDT	0.124	0.00400	"	0.100		124	40-140		5.41	20	
Aldrin	0.125	0.00400	"	0.100		125	40-140		4.22	20	
alpha-BHC	0.125	0.00400	"	0.100		125	40-140		2.33	20	
alpha-Chlordane	0.118	0.00400	"	0.100		118	40-140		0.814	20	
beta-BHC	0.136	0.00400	"	0.100		136	40-140		3.62	20	
delta-BHC	0.120	0.00400	"	0.100		120	40-140		12.4	20	
Dieldrin	0.145	0.00200	"	0.100		145	40-140	High Bias	4.22	20	
Endosulfan I	0.145	0.00400	"	0.100		145	40-140	High Bias	0.939	20	
Endosulfan II	0.156	0.00400	"	0.100		156	40-140	High Bias	4.75	20	
Endosulfan sulfate	0.165	0.00400	"	0.100		165	40-140	High Bias	3.85	20	
Endrin	0.135	0.00400	"	0.100		135	40-140		5.31	20	
Endrin aldehyde	0.142	0.0100	"	0.100		142	40-140	High Bias	7.79	20	
Endrin ketone	0.150	0.0100	"	0.100		150	40-140	High Bias	6.92	20	
gamma-BHC (Lindane)	0.131	0.00400	"	0.100		131	40-140		1.27	20	
gamma-Chlordane	0.130	0.0100	"	0.100		130	40-140		0.0476	20	
Heptachlor	0.133	0.00400	"	0.100		133	40-140		4.22	20	
Heptachlor epoxide	0.146	0.00400	"	0.100		146	40-140	High Bias	0.113	20	
Methoxychlor	0.135	0.00400	"	0.100		135	40-140		10.1	20	
Surrogate: Decachlorobiphenyl	0.199		"	0.200		99.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.187		"	0.200		93.7	30-150				

Batch Y0L0501 - BL00027

Performance Mix (Y0L0501-P Performance Mix)		Prepared & Analyzed: 12/05/2020									
4,4'-DDD	4.16		ng/mL	0.00			0-200				
4,4'-DDE	1.04		"	0.00			0-200				
4,4'-DDT	182		"	200		91.2	0-200				
Endrin	97.9		"	100		97.9	0-200				
Endrin aldehyde	1.33		"	0.00			0-200				
Endrin ketone	2.35		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - 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 Y1C1909 - BC10491

Performance Mix (Y1C1909-F Performance Mix						Prepared & Analyzed: 03/18/2021					
4,4'-DDD	1.82		ng/mL	0.00			0-200				
4,4'-DDE	0.885		"	0.00			0-200				
4,4'-DDT	160		"	200		79.9	0-200				
Endrin	122		"	100		122	0-200				
Endrin aldehyde	0.00		"	0.00			0-200				
Endrin ketone	10.2		"	0.00			0-200				
Performance Mix (Y1C1909-F Performance Mix						Prepared & Analyzed: 03/18/2021					
4,4'-DDD	3.75		ng/mL	0.00			0-200				
4,4'-DDE	0.911		"	0.00			0-200				
4,4'-DDT	154		"	200		76.8	0-200				
Endrin	115		"	100		115	0-200				
Endrin aldehyde	0.787		"	0.00			0-200				
Endrin ketone	13.2		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BC11079 - EPA SW846-3510C Low Level

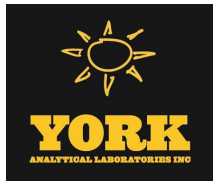
Blank (BC11079-BLK2)	Blank									Prepared & Analyzed: 03/18/2021
Aroclor 1016	ND	0.0500	ug/L							
Aroclor 1221	ND	0.0500	"							
Aroclor 1232	ND	0.0500	"							
Aroclor 1242	ND	0.0500	"							
Aroclor 1248	ND	0.0500	"							
Aroclor 1254	ND	0.0500	"							
Aroclor 1260	ND	0.0500	"							
Aroclor 1262	ND	0.0500	"							
Aroclor 1268	ND	0.0500	"							
Total PCBs	ND	0.0500	"							
Surrogate: Tetrachloro-m-xylene	0.203		"	0.200		102	30-120			
Surrogate: Decachlorobiphenyl	0.161		"	0.200		80.5	30-120			

LCS (BC11079-BS2)	LCS									Prepared & Analyzed: 03/18/2021
Aroclor 1016	0.853	0.0500	ug/L	1.00		85.3	40-120			
Aroclor 1260	0.923	0.0500	"	1.00		92.3	40-120			
Surrogate: Tetrachloro-m-xylene	0.166		"	0.200		83.0	30-120			
Surrogate: Decachlorobiphenyl	0.160		"	0.200		80.0	30-120			

LCS Dup (BC11079-BSD2)	LCS Dup									Prepared & Analyzed: 03/18/2021
Aroclor 1016	0.937	0.0500	ug/L	1.00		93.7	40-120	9.36	30	
Aroclor 1260	0.890	0.0500	"	1.00		89.0	40-120	3.71	30	
Surrogate: Tetrachloro-m-xylene	0.164		"	0.200		82.0	30-120			
Surrogate: Decachlorobiphenyl	0.139		"	0.200		69.5	30-120			

Batch Y1C1837 - BC11076

Aroclor Reference (Y1C1837-)	Aroclor Reference									Prepared & Analyzed: 03/18/2021
Surrogate: Tetrachloro-m-xylene	0.203		ug/mL	0.200		102				
Surrogate: Decachlorobiphenyl	0.232		"	0.200		116				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

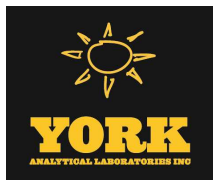
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch Y1C1922 - BC11158

Aroclor Reference (Y1C1922-) Aroclor Reference

Prepared & Analyzed: 03/19/2021

Surrogate: Tetrachloro-m-xylene	0.210		ug/mL	0.200		105					
Surrogate: Decachlorobiphenyl	0.248		"	0.200		124					



Chlorinated Herbicides by GC/ECD - 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 BC11157 - EPA 8151A											
Blank (BC11157-BLK1)	Blank							Prepared & Analyzed: 03/19/2021			
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	108		"	125		86.0	30-150				
LCS (BC11157-BS1)	LCS							Prepared & Analyzed: 03/19/2021			
2,4,5-T	21.2	5.00	ug/L	40.0		53.1	10-140				
2,4,5-TP (Silvex)	27.2	5.00	"	40.0		68.1	10-139				
2,4-D	22.8	5.00	"	40.0		56.9	10-140				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	103		"	125		82.6	30-150				
LCS Dup (BC11157-BSD1)	LCS Dup							Prepared & Analyzed: 03/19/2021			
2,4,5-T	22.2	5.00	ug/L	40.0		55.6	10-140		4.60	30	
2,4,5-TP (Silvex)	28.0	5.00	"	40.0		70.0	10-139		2.71	30	
2,4-D	23.5	5.00	"	40.0		58.8	10-140		3.24	30	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	106		"	125		84.6	30-150				



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

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

Batch BC10925 - EPA 3015A

Blank (BC10925-BLK1)	Blank										Prepared & Analyzed: 03/16/2021
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.188	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

LCS (BC10925-BS1)	LCS										Prepared & Analyzed: 03/16/2021
Aluminum	1.90		ug/mL	2.00		95.1	80-120				
Barium	1.96		"	2.00		98.0	80-120				
Calcium	0.992		"	1.00		99.2	80-120				
Chromium	0.185		"	0.200		92.7	80-120				
Cobalt	0.490		"	0.500		98.0	80-120				
Copper	0.235		"	0.250		94.0	80-120				
Iron	0.945		"	1.00		94.5	80-120				
Lead	0.504		"	0.500		101	80-120				
Magnesium	0.946		"	1.00		94.6	80-120				
Manganese	0.487		"	0.500		97.4	80-120				
Nickel	0.481		"	0.500		96.2	80-120				
Potassium	1.12		"	1.00		112	80-120				
Silver	0.0477		"	0.0500		95.3	80-120				
Sodium	0.828		"	1.00		82.8	80-120				
Vanadium	0.477		"	0.500		95.4	80-120				
Zinc	0.468		"	0.500		93.6	80-120				



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

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

Batch BC10925 - EPA 3015A

Duplicate (BC10925-DUP1)	Duplicate	*Source sample: 21C0665-05 (GWFB01_031221)					Prepared: 03/16/2021 Analyzed: 03/18/2021				
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	ND	0.0278	"		ND					20	
Calcium	0.0888	0.0556	"		0.120				30.3	20	Non-dir.
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	ND	0.278	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	ND	0.0556	"		ND					20	
Manganese	ND	0.00556	"		ND					20	
Nickel	ND	0.0111	"		ND					20	
Potassium	0.161	0.0556	"		0.116				32.9	20	Non-dir.
Silver	ND	0.00556	"		ND					20	
Sodium	ND	0.556	"		ND					20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	

Matrix Spike (BC10925-MS1)	Matrix Spike	*Source sample: 21C0665-05 (GWFB01_031221)					Prepared: 03/16/2021 Analyzed: 03/18/2021				
Aluminum	2.05	0.0556	mg/L	2.22	ND	92.4	75-125				
Barium	2.26	0.0278	"	2.22	ND	102	75-125				
Calcium	1.26	0.0556	"	1.11	0.120	102	75-125				
Chromium	0.215	0.00556	"	0.222	ND	96.9	75-125				
Cobalt	0.563	0.00444	"	0.556	ND	101	75-125				
Copper	0.275	0.0222	"	0.278	ND	99.2	75-125				
Iron	1.11	0.278	"	1.11	ND	99.8	75-125				
Lead	0.569	0.00556	"	0.556	ND	102	75-125				
Magnesium	1.12	0.0556	"	1.11	ND	101	75-125				
Manganese	0.561	0.00556	"	0.556	ND	101	75-125				
Nickel	0.551	0.0111	"	0.556	ND	99.1	75-125				
Potassium	1.11	0.0556	"	1.11	0.116	89.6	75-125				
Silver	0.0575	0.00556	"	0.0556	ND	103	75-125				
Sodium	0.946	0.556	"	1.11	ND	85.1	75-125				
Vanadium	0.551	0.0111	"	0.556	ND	99.2	75-125				
Zinc	0.543	0.0278	"	0.556	ND	97.8	75-125				



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

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

Batch BC10925 - EPA 3015A

Post Spike (BC10925-PS1)	Post Spike	*Source sample: 21C0665-05 (GWFB01_031221)					Prepared: 03/16/2021 Analyzed: 03/18/2021				
Aluminum	2.13		ug/mL	2.00	0.00226	107	75-125				
Barium	2.14		"	2.00	0.0000128	107	75-125				
Calcium	1.22		"	1.00	0.120	110	75-125				
Chromium	0.204		"	0.200	0.000260	102	75-125				
Cobalt	0.535		"	0.500	-0.000864	107	75-125				
Copper	0.261		"	0.250	0.00116	104	75-125				
Iron	1.09		"	1.00	0.0214	107	75-125				
Lead	0.540		"	0.500	-0.00228	108	75-125				
Magnesium	1.08		"	1.00	0.0537	102	75-125				
Manganese	0.534		"	0.500	0.000338	107	75-125				
Nickel	0.524		"	0.500	-0.00828	105	75-125				
Potassium	1.19		"	1.00	0.116	107	75-125				
Silver	0.0502		"	0.0500	0.00182	96.7	75-125				
Sodium	0.924		"	1.00	-0.0409	92.4	75-125				
Vanadium	0.523		"	0.500	-0.000386	105	75-125				
Zinc	0.514		"	0.500	0.00667	101	75-125				

Batch BC11331 - EPA 3015A

Blank (BC11331-BLK1)	Blank	Prepared & Analyzed: 03/23/2021									
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	ND	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								



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

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

Batch BC11331 - EPA 3015A

LCS (BC11331-BS1)	LCS	Prepared & Analyzed: 03/23/2021									
Aluminum - Dissolved	1.96	ug/mL	2.00	98.2	80-120						
Barium - Dissolved	2.04	"	2.00	102	80-120						
Calcium - Dissolved	1.03	"	1.00	103	80-120						
Chromium - Dissolved	0.201	"	0.200	100	80-120						
Cobalt - Dissolved	0.523	"	0.500	105	80-120						
Copper - Dissolved	0.246	"	0.250	98.5	80-120						
Iron - Dissolved	1.01	"	1.00	101	80-120						
Lead - Dissolved	0.517	"	0.500	103	80-120						
Magnesium - Dissolved	1.01	"	1.00	101	80-120						
Manganese - Dissolved	0.507	"	0.500	101	80-120						
Nickel - Dissolved	0.513	"	0.500	103	80-120						
Potassium - Dissolved	0.924	"	1.00	92.4	80-120						
Silver - Dissolved	0.0264	"	0.0500	52.8	80-120			Low Bias			
Sodium - Dissolved	0.949	"	1.00	94.9	80-120						
Vanadium - Dissolved	0.490	"	0.500	97.9	80-120						
Zinc - Dissolved	0.506	"	0.500	101	80-120						

Duplicate (BC11331-DUP1)	Duplicate	*Source sample: 21C0665-05 (GWFB01_031221) Prepared & Analyzed: 03/23/2021									
Aluminum - Dissolved	ND	0.0556	mg/L	ND						20	
Barium - Dissolved	ND	0.0278	"	ND						20	
Calcium - Dissolved	0.161	0.0556	"	0.0562					96.3	20	Non-dir.
Chromium - Dissolved	ND	0.00556	"	ND						20	
Cobalt - Dissolved	ND	0.00444	"	ND						20	
Copper - Dissolved	ND	0.0222	"	ND						20	
Iron - Dissolved	ND	0.278	"	ND						20	
Lead - Dissolved	ND	0.00556	"	ND						20	
Magnesium - Dissolved	ND	0.0556	"	ND						20	
Manganese - Dissolved	ND	0.00556	"	ND						20	
Nickel - Dissolved	ND	0.0111	"	ND						20	
Potassium - Dissolved	ND	0.0556	"	ND						20	
Silver - Dissolved	ND	0.00556	"	ND						20	
Sodium - Dissolved	ND	0.556	"	ND						20	
Vanadium - Dissolved	ND	0.0111	"	ND						20	
Zinc - Dissolved	ND	0.0278	"	ND						20	



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

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

Batch BC11331 - EPA 3015A

Matrix Spike (BC11331-MS1)	Matrix Spike	*Source sample: 21C0665-05 (GWFB01_031221)						Prepared & Analyzed: 03/23/2021			
Barium - Dissolved	2.28	0.0278	mg/L	2.22	ND	103	75-125				
Chromium - Dissolved	0.225	0.00556	"	0.222	ND	101	75-125				
Cobalt - Dissolved	0.576	0.00444	"	0.556	ND	104	75-125				
Copper - Dissolved	0.274	0.0222	"	0.278	ND	98.8	75-125				
Iron - Dissolved	1.10	0.278	"	1.11	ND	99.0	75-125				
Lead - Dissolved	0.572	0.00556	"	0.556	ND	103	75-125				
Manganese - Dissolved	0.566	0.00556	"	0.556	ND	102	75-125				
Nickel - Dissolved	0.562	0.0111	"	0.556	ND	101	75-125				
Silver - Dissolved	0.0314	0.00556	"	0.0556	ND	56.4	75-125	Low Bias			
Vanadium - Dissolved	0.547	0.0111	"	0.556	ND	98.5	75-125				
Zinc - Dissolved	0.571	0.0278	"	0.556	ND	103	75-125				

Post Spike (BC11331-PS1)	Post Spike	*Source sample: 21C0665-05 (GWFB01_031221)						Prepared & Analyzed: 03/23/2021			
Aluminum - Dissolved	2.15		ug/mL	2.00	0.00757	107	75-125				
Barium - Dissolved	2.18		"	2.00	0.000512	109	75-125				
Calcium - Dissolved	1.16		"	1.00	0.0506	111	75-125				
Chromium - Dissolved	0.215		"	0.200	0.000119	107	75-125				
Cobalt - Dissolved	0.563		"	0.500	-0.0000995	113	75-125				
Copper - Dissolved	0.266		"	0.250	0.000754	106	75-125				
Iron - Dissolved	1.10		"	1.00	-0.00436	110	75-125				
Lead - Dissolved	0.562		"	0.500	-0.00112	112	75-125				
Magnesium - Dissolved	1.08		"	1.00	-0.0160	108	75-125				
Manganese - Dissolved	0.540		"	0.500	0.000134	108	75-125				
Nickel - Dissolved	0.549		"	0.500	-0.00481	110	75-125				
Potassium - Dissolved	1.03		"	1.00	0.0386	99.2	75-125				
Silver - Dissolved	0.0365		"	0.0500	0.00138	70.3	75-125	Low Bias			
Sodium - Dissolved	1.07		"	1.00	0.129	94.4	75-125				
Vanadium - Dissolved	0.524		"	0.500	0.000272	105	75-125				
Zinc - Dissolved	0.549		"	0.500	0.00674	108	75-125				



Metals by ICP/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 BC10923 - EPA 3015A

Blank (BC10923-BLK1)	Blank	Prepared: 03/16/2021 Analyzed: 03/17/2021									
Antimony	ND	1.00	ug/L								
Arsenic	ND	1.00	"								
Beryllium	ND	0.300	"								
Cadmium	ND	0.500	"								
Selenium	ND	1.00	"								
Thallium	ND	1.00	"								

LCS (BC10923-BS1)	LCS	Prepared: 03/16/2021 Analyzed: 03/17/2021									
Antimony	44.3		ug/L	50.0		88.6	80-120				
Arsenic	49.4		"	50.0		98.8	80-120				
Beryllium	48.0		"	50.0		96.1	80-120				
Cadmium	48.0		"	50.0		95.9	80-120				
Selenium	48.7		"	50.0		97.3	80-120				
Thallium	49.5		"	50.0		99.1	80-120				

Duplicate (BC10923-DUP1)	Duplicate	*Source sample: 21C0475-01 (Duplicate) Prepared: 03/16/2021 Analyzed: 03/17/2021									
Antimony	ND	1.00	ug/L		ND						20
Arsenic	ND	1.00	"		ND						20
Beryllium	ND	0.300	"		ND						20
Cadmium	ND	0.500	"		0.680						20
Selenium	ND	1.00	"		1.07						20
Thallium	ND	1.00	"		ND						20

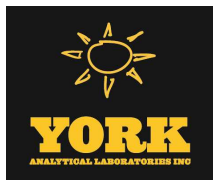
Matrix Spike (BC10923-MS1)	Matrix Spike	*Source sample: 21C0475-01 (Matrix Spike) Prepared: 03/16/2021 Analyzed: 03/17/2021									
Antimony	0.553		ug/L	50.0	0.032	1.04	75-125	Low Bias			
Arsenic	0.785		"	50.0	0.118	1.33	75-125	Low Bias			
Beryllium	0.545		"	50.0	0.004	1.08	75-125	Low Bias			
Cadmium	0.850		"	50.0	0.680	0.340	75-125	Low Bias			
Selenium	-0.206		"	50.0	1.07	NR	75-125	Low Bias			
Thallium	0.708		"	50.0	0.001	1.41	75-125	Low Bias			



Metals by ICP/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 BC10927 - EPA 3015A											
Blank (BC10927-BLK1)	Blank							Prepared: 03/16/2021 Analyzed: 03/18/2021			
Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								
LCS (BC10927-BS1)	LCS							Prepared: 03/16/2021 Analyzed: 03/18/2021			
Antimony	39.6		ug/L	50.0		79.2	80-120	Low Bias			
Arsenic	47.5		"	50.0		95.0	80-120				
Beryllium	45.5		"	50.0		91.0	80-120				
Cadmium	43.4		"	50.0		86.8	80-120				
Selenium	47.7		"	50.0		95.5	80-120				
Thallium	49.8		"	50.0		99.6	80-120				
Duplicate (BC10927-DUP1)	Duplicate	*Source sample: 21C0531-02 (Duplicate)							Prepared: 03/16/2021 Analyzed: 03/18/2021		
Antimony	ND	1.11	ug/L		ND					20	
Arsenic	ND	1.11	"		ND					20	
Beryllium	ND	0.333	"		ND					20	
Cadmium	ND	0.556	"		ND					20	
Selenium	3.41	1.11	"		3.41				0.179	20	
Thallium	ND	1.11	"		ND					20	
Matrix Spike (BC10927-MS1)	Matrix Spike	*Source sample: 21C0531-02 (Matrix Spike)							Prepared: 03/16/2021 Analyzed: 03/18/2021		
Antimony	0.507		ug/L	50.0	0.062	0.890	75-125	Low Bias			
Arsenic	0.780		"	50.0	0.231	1.10	75-125	Low Bias			
Beryllium	0.482		"	50.0	0.0006	0.962	75-125	Low Bias			
Cadmium	0.495		"	50.0	-0.009	0.991	75-125	Low Bias			
Selenium	3.31		"	50.0	3.07	0.482	75-125	Low Bias			
Thallium	0.632		"	50.0	0.003	1.26	75-125	Low Bias			



Metals by ICP/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BC11117 - EPA 3015A											
Blank (BC11117-BLK1)	Blank							Prepared & Analyzed: 03/18/2021			
Antimony - Dissolved	ND	1.11	ug/L								
Arsenic - Dissolved	ND	1.11	"								
Beryllium - Dissolved	ND	0.333	"								
Cadmium - Dissolved	ND	0.556	"								
Selenium - Dissolved	ND	1.11	"								
Thallium - Dissolved	ND	1.11	"								
LCS (BC11117-BS1)	LCS							Prepared & Analyzed: 03/18/2021			
Antimony - Dissolved	37.0		ug/L	50.0		74.0	80-120	Low Bias			
Arsenic - Dissolved	48.8		"	50.0		97.6	80-120				
Beryllium - Dissolved	49.6		"	50.0		99.2	80-120				
Cadmium - Dissolved	38.7		"	50.0		77.5	80-120	Low Bias			
Selenium - Dissolved	53.9		"	50.0		108	80-120				
Thallium - Dissolved	54.1		"	50.0		108	80-120				
Duplicate (BC11117-DUP1)	Duplicate *Source sample: 21C0665-05 (GWFB01_031221)							Prepared & Analyzed: 03/18/2021			
Antimony - Dissolved	ND	1.11	ug/L		ND						20
Arsenic - Dissolved	ND	1.11	"		ND						20
Beryllium - Dissolved	ND	0.333	"		ND						20
Cadmium - Dissolved	ND	0.556	"		ND						20
Selenium - Dissolved	ND	1.11	"		ND						20
Thallium - Dissolved	ND	1.11	"		ND						20
Matrix Spike (BC11117-MS1)	Matrix Spike *Source sample: 21C0665-05 (GWFB01_031221)							Prepared & Analyzed: 03/18/2021			
Antimony - Dissolved	35.4		ug/L	50.0	-0.005	70.8	75-125	Low Bias			
Arsenic - Dissolved	48.1		"	50.0	0.004	96.1	75-125				
Beryllium - Dissolved	49.9		"	50.0	0.002	99.7	75-125				
Cadmium - Dissolved	34.2		"	50.0	-0.009	68.4	75-125	Low Bias			
Selenium - Dissolved	48.4		"	50.0	0.237	96.3	75-125				
Thallium - Dissolved	56.0		"	50.0	0.003	112	75-125				



Mercury by EPA 7000/200 Series Methods - 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 BC11225 - EPA SW846-7470A											
Blank (BC11225-BLK1)	Blank								Prepared & Analyzed: 03/19/2021		
Mercury	ND	0.0002	mg/L								
LCS (BC11225-BS1)	LCS								Prepared & Analyzed: 03/19/2021		
Mercury	0.001992	0.0002	mg/L	0.00200		99.6	80-120				
Duplicate (BC11225-DUP1)	Duplicate	*Source sample: 21C0665-02 (MW11_031221)							Prepared & Analyzed: 03/19/2021		
Mercury	ND	0.0002	mg/L		ND					20	
Matrix Spike (BC11225-MS1)	Matrix Spike	*Source sample: 21C0665-02 (MW11_031221)							Prepared & Analyzed: 03/19/2021		
Mercury	0.0021	0.0002	mg/L	0.00200	ND	104	75-125				
Batch BC11227 - EPA SW846-7470A											
Blank (BC11227-BLK1)	Blank								Prepared & Analyzed: 03/19/2021		
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BC11227-BS1)	LCS								Prepared & Analyzed: 03/19/2021		
Mercury - Dissolved	0.0020	0.0002	mg/L	0.00200		98.5	80-120				
Duplicate (BC11227-DUP1)	Duplicate	*Source sample: 21C0665-02 (MW11_031221)							Prepared & Analyzed: 03/19/2021		
Mercury - Dissolved	ND	0.0002	mg/L		ND					20	
Matrix Spike (BC11227-MS1)	Matrix Spike	*Source sample: 21C0665-02 (MW11_031221)							Prepared & Analyzed: 03/19/2021		
Mercury - Dissolved	0.0019	0.0002	mg/L	0.00200	ND	93.9	75-125				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC10805 - Analysis Preparation											
Blank (BC10805-BLK1)	Blank								Prepared & Analyzed: 03/12/2021		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BC10805-BS1)	LCS								Prepared & Analyzed: 03/12/2021		
Chromium, Hexavalent	0.516	0.0100	mg/L	0.500		103	80-120				
Duplicate (BC10805-DUP1)	Duplicate	*Source sample: 21C0644-01 (Duplicate)							Prepared & Analyzed: 03/12/2021		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BC10805-MS1)	Matrix Spike	*Source sample: 21C0644-01 (Matrix Spike)							Prepared & Analyzed: 03/12/2021		
Chromium, Hexavalent	0.554	0.0100	mg/L	0.500	ND	111	75-125				
Batch BC10881 - Analysis Preparation											
Blank (BC10881-BLK1)	Blank								Prepared & Analyzed: 03/15/2021		
Cyanide, total	ND	0.0100	mg/L								
LCS (BC10881-BS1)	LCS								Prepared & Analyzed: 03/15/2021		
Cyanide, total	0.186	0.0100	mg/L	0.200		93.2	76.2-107				
Duplicate (BC10881-DUP1)	Duplicate	*Source sample: 21C0665-02 (MW11_031221)							Prepared & Analyzed: 03/15/2021		
Cyanide, total	0.0144	0.0100	mg/L		0.0160				10.5	15	
Matrix Spike (BC10881-MS1)	Matrix Spike	*Source sample: 21C0665-02 (MW11_031221)							Prepared & Analyzed: 03/15/2021		
Cyanide, total	0.186	0.0100	mg/L	0.200	0.0160	85.2	79-105				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0665-01	MW03_031221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0665-02	MW11_031221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0665-03	MW12_031221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0665-04	GWDUP01_031221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0665-05	GWFB01_031221	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0665-06	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

M-SRD1	The serial dilution for this element was outside control limits.
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).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-CRL	The RL check for this element recovered outside of control limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits

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.

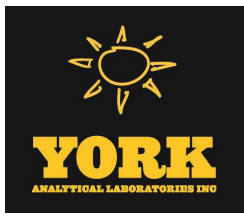
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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.



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/26/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0907



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/26/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0907

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 18, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0907-01	MW10_031821	Water	03/18/2021	03/18/2021
21C0907-02	MW06_031821	Water	03/18/2021	03/18/2021
21C0907-03	EC_FB07_031821	Water	03/18/2021	03/18/2021
21C0907-04	GW_FB02_031821	Water	03/18/2021	03/18/2021

General Notes for York Project (SDG) No.: 21C0907

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: 03/26/2021





Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 8:45 am

03/18/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
95-63-6	1,2,4-Trimethylbenzene	22.8		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
108-67-8	1,3,5-Trimethylbenzene	5.80		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
78-93-3	2-Butanone	5.30	B	ug/L	1.00	5.00	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 8:45 am

Date Received
03/18/2021

Volatiles, 8260 Comprehensive

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	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
67-64-1	Acetone	13.0		ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
107-02-8	Acrolein	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
107-13-1	Acrylonitrile	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
71-43-2	Benzene	48.8		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
74-97-5	Bromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-27-4	Bromodichloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-25-2	Bromoform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
74-83-9	Bromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-15-0	Carbon disulfide	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
108-90-7	Chlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-00-3	Chloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
67-66-3	Chloroform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
74-87-3	Chloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
110-82-7	Cyclohexane	3.40		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
124-48-1	Dibromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
74-95-3	Dibromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 8:45 am

03/18/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	91.3		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
98-82-8	Isopropylbenzene	5.75		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
79-20-9	Methyl acetate	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
108-87-2	Methylcyclohexane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-09-2	Methylene chloride	ND		ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
104-51-8	n-Butylbenzene	1.00		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
103-65-1	n-Propylbenzene	1.55		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
95-47-6	o-Xylene	50.4		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
179601-23-1	p- & m- Xylenes	71.8		ug/L	2.50	5.00	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
99-87-6	p-Isopropyltoluene	4.80		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
100-42-5	Styrene	18.2		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.50	5.00	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
108-88-3	Toluene	38.9		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
79-01-6	Trichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 8:45 am

Date Received
03/18/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 21:12	KHA
1330-20-7	Xylenes, Total	122		ug/L	3.00	7.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/19/2021 06:47	03/19/2021 21:12	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	108 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	99.9 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	91.6 %		79-122							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	3.36	J	ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
90-12-0	* 1-Methylnaphthalene	92.2		ug/L	13.5	27.0	5	EPA 8270D Certifications:	03/22/2021 13:29	03/24/2021 12:16	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
105-67-9	2,4-Dimethylphenol	4.69	J	ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 8:45 am

03/18/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	61.6		ug/L	13.5	27.0	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/24/2021 12:16	CD
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
65-85-0	Benzoic acid	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 8:45 am

Date Received
03/18/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
122-39-4	Diphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 17:56	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	23.9 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	18.0 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	71.6 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.5 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	68.8 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.3 %	30.7-106								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

<u>York Project (SDG) No.</u>		<u>Client Project ID</u>		<u>Matrix</u>		<u>Collection Date/Time</u>		<u>Date Received</u>	
21C0907		170430001		Water		March 18, 2021 8:45 am		03/18/2021	
83-32-9	Acenaphthene	52.8	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	6.92	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	5.19	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND	ug/L	10.8	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
56-55-3	Benzo(a)anthracene	1.08	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND	ug/L	10.8	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
218-01-9	Chrysene	ND	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	4.11	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	7.57	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND	ug/L	0.432	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
87-68-3	Hexachlorobutadiene	ND	ug/L	10.8	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
67-72-1	Hexachloroethane	ND	ug/L	10.8	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	179	ug/L	5.41	100	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 12:43	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND	ug/L	5.41	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
62-75-9	N-Nitrosodimethylamine	ND	ug/L	10.8	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
87-86-5	Pentachlorophenol	ND	ug/L	5.41	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
85-01-8	Phenanthrene	17.9	ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	4.32	B ug/L	1.08	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:16	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 8:45 am

Date Received
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Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.416		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/23/2021 07:05	03/23/2021 15:18	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %		36.6-118						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	3.88		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	11.6		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	5.83		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	1.32		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	31.7		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	17.8		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
375-95-1	* Perfluorononanoic acid (PFNA)	2.04		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	4.26		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	2.25		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

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21C0907

Client Project ID
170430001

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.25	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	3.32		ng/L	0.899	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 05:26	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		76.4 %		25-150						
Surrogate: M5PFHxA		64.7 %		25-150						
Surrogate: M4PFHpA		61.0 %		25-150						
Surrogate: M3PFHxS		94.7 %		25-150						
Surrogate: Perfluoro-n-[13C8]octanoic acid		101 %		25-150						
Surrogate: M6PFDA		101 %		25-150						
Surrogate: M7PFUDa		99.0 %		25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		91.7 %		25-150						
Surrogate: M2PFTeDA		87.7 %		10-150						
Surrogate: Perfluoro-n-[13C4]butanoic acid		25.3 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfon		103 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid		46.5 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfon		10.3 %		10-150						
Surrogate: d3-N-MeFOSAA		80.6 %		25-150						
Surrogate: d5-N-EtFOSAA		100 %		25-150						
Surrogate: M2-6:2 FTS		276 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		234 %	PFSu-H	25-150						
Surrogate: M9PFNA		105 %		25-150						

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
72-55-9	4,4'-DDE	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
50-29-3	4,4'-DDT	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.
21C0907

Client Project ID
170430001

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Water

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March 18, 2021 8:45 am

Date Received
03/18/2021

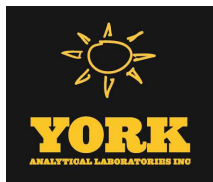
Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
319-84-6	alpha-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
319-85-7	beta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
319-86-8	delta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
60-57-1	Dieldrin	ND		ug/L	0.00235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
959-98-8	Endosulfan I	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
33213-65-9	Endosulfan II	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
72-20-8	Endrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
53494-70-5	Endrin ketone	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
5566-34-7	gamma-Chlordane	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
76-44-8	Heptachlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
72-43-5	Methoxychlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
8001-35-2	Toxaphene	ND		ug/L	0.118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:13	cm
57-74-9	* Chlordane, total	ND		ug/L	0.235	1	EPA 8081B Certifications:	03/24/2021 06:57	03/25/2021 07:13	cm
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	58.5 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	129 %	30-150							



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.

21C0907

Client Project ID

170430001

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March 18, 2021 8:45 am

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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:16	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0588	1	EPA 8082A Certifications:	03/24/2021 06:57	03/25/2021 04:16	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	65.5 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %	30-120							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:36	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:36	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:36	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	82.8 %	30-150							

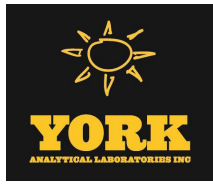
Metals, Target Analyte, ICP

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



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	0.135		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-39-3	Barium	0.0508		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-70-2	Calcium	104		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-47-3	Chromium	0.00571		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7439-89-6	Iron	1.40		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7439-95-4	Magnesium	136		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7439-96-5	Manganese	1.22		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-09-7	Potassium	62.6	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-23-5	Sodium	1240		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:40	WJM

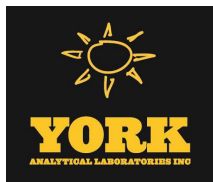
Metals, Target Analyte, ICP Dissolved

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
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-39-3	Barium	0.0493		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-70-2	Calcium	103		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.

21C0907

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 18, 2021 8:45 am

Date Received

03/18/2021

Metals, Target Analyte, ICP Dissolved

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
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7439-89-6	Iron	0.659		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7439-95-4	Magnesium	134		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7439-96-5	Manganese	1.18		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-09-7	Potassium	62.6	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-23-5	Sodium	1110		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM
7440-66-6	Zinc	0.0599		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:18	WJM

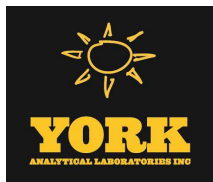
Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:33	BML
7440-38-2	Arsenic	18.6		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:33	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:33	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:33	BML
7782-49-2	Selenium	2.30		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:33	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:33	BML



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.

21C0907

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 18, 2021 8:45 am

Date Received

03/18/2021

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:24	BML
7440-38-2	Arsenic	13.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:24	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:24	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:24	BML
7782-49-2	Selenium	2.06		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:24	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:24	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 20:20	03/24/2021 20:20	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 20:22	03/24/2021 20:22	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 17:59	03/18/2021 20:12	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	03/25/2021 16:12	03/25/2021 16:21	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW10_031821

York Sample ID: 21C0907-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 8:45 am

03/18/2021

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 08:35	03/24/2021 13:23	ALH



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 10:30 am

03/18/2021

Volatiles, 8260 Comprehensive

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	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
95-63-6	1,2,4-Trimethylbenzene	1190		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
108-67-8	1,3,5-Trimethylbenzene	353		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
123-91-1	1,4-Dioxane	ND		ug/L	800	1600	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
78-93-3	2-Butanone	ND		ug/L	4.00	20.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 10:30 am

03/18/2021

Volatiles, 8260 Comprehensive

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	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
67-64-1	Acetone	585		ug/L	20.0	40.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
107-02-8	Acrolein	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
107-13-1	Acrylonitrile	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
71-43-2	Benzene	7650		ug/L	10.0	25.0	50	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 18:41	KHA
74-97-5	Bromochloromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-27-4	Bromodichloromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-25-2	Bromoform	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
74-83-9	Bromomethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-15-0	Carbon disulfide	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
108-90-7	Chlorobenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-00-3	Chloroethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
67-66-3	Chloroform	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
74-87-3	Chloromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
110-82-7	Cyclohexane	735		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
124-48-1	Dibromochloromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
74-95-3	Dibromomethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 10:30 am

03/18/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	1420		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
98-82-8	Isopropylbenzene	100		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
79-20-9	Methyl acetate	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
108-87-2	Methylcyclohexane	693		ug/L	4.00	10.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-09-2	Methylene chloride	ND		ug/L	20.0	40.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
104-51-8	n-Butylbenzene	39.4		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
103-65-1	n-Propylbenzene	153		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
95-47-6	o-Xylene	821		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
179601-23-1	p- & m- Xylenes	3320		ug/L	10.0	20.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
99-87-6	p-Isopropyltoluene	13.8		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
135-98-8	sec-Butylbenzene	12.8		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
100-42-5	Styrene	25.0		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	10.0	20.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
108-88-3	Toluene	828		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
79-01-6	Trichloroethylene	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 10:30 am

Date Received
03/18/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	4.00	10.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:15	KHA
1330-20-7	Xylenes, Total	4140		ug/L	12.0	30.0	20	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/22/2021 06:47	03/22/2021 16:15	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	88.5 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	102 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.0 %	79-122								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
90-12-0	* 1-Methylnaphthalene	31.8		ug/L	2.78	5.56	1	EPA 8270D Certifications:	03/22/2021 13:29	03/23/2021 18:28	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 10:30 am

03/18/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	76.5		ug/L	13.9	27.8	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/24/2021 12:47	CD
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 10:30 am

Date Received
03/18/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
122-39-4	Diphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:29	03/23/2021 18:28	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	46.1 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	24.0 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	109 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	75.0 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	109 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	91.9 %	30.7-106								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

<u>York Project (SDG) No.</u>		<u>Client Project ID</u>		<u>Matrix</u>		<u>Collection Date/Time</u>		<u>Date Received</u>	
21C0907		170430001		Water		March 18, 2021 10:30 am		03/18/2021	
83-32-9	Acenaphthene	2.00	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	2.22	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND	ug/L	11.1	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
56-55-3	Benzo(a)anthracene	1.11	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	Benzo(a)pyrene	ND	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	Benzo(b)fluoranthene	ND	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	Benzo(k)fluoranthene	ND	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND	ug/L	11.1	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
218-01-9	Chrysene	1.33	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	Dibenzo(a,h)anthracene	ND	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	Fluoranthene	3.56	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	Fluorene	2.22	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND	ug/L	0.444	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
87-68-3	Hexachlorobutadiene	ND	ug/L	11.1	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
67-72-1	Hexachloroethane	ND	ug/L	11.1	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	183	ug/L	5.56	100	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 13:49	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND	ug/L	5.56	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
62-75-9	N-Nitrosodimethylamine	ND	ug/L	11.1	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
87-86-5	Pentachlorophenol	ND	ug/L	5.56	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP		
85-01-8	Phenanthrene	5.78	ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	Pyrene	2.67	B ug/L	1.11	20	EPA 8270D SIM	03/22/2021 13:29	03/24/2021 14:21	CD
						Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.
21C0907

Client Project ID
170430001

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March 18, 2021 10:30 am

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Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.752		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/23/2021 07:05	03/23/2021 15:36	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	64.0 %		36.6-118						

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	21.9		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	17.5		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	5.60		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	126		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	8.74		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	31.5		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL



Sample Information

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PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	11.7	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	48.8		ng/L	4.70	5	EPA 537m Certifications:	03/23/2021 20:19	03/25/2021 10:13	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		95.3 %		25-150						
Surrogate: M5PFHxA		94.8 %		25-150						
Surrogate: M4PFHpA		68.1 %		25-150						
Surrogate: M3PFHxS		103 %		25-150						
Surrogate: Perfluoro-n-[13C8]octanoic aci		113 %		25-150						
Surrogate: M6PFDA		68.0 %		25-150						
Surrogate: M7PFUDa		56.7 %		25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		42.0 %		25-150						
Surrogate: M2PFTeDA		27.6 %		10-150						
Surrogate: Perfluoro-n-[13C4]butanoic aci		4.67 %	PFSu-L	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfor		88.9 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic ac		48.5 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfor		22.1 %		10-150						
Surrogate: d3-N-MeFOSAA		68.2 %		25-150						
Surrogate: d5-N-EtFOSAA		58.6 %		25-150						
Surrogate: M2-6:2 FTS		432 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		231 %	PFSu-H	25-150						
Surrogate: M9PFNA		103 %		25-150						

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm



Sample Information

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Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 07:31	cm
57-74-9	* Chlordane, total	ND		ug/L	0.216	1	EPA 8081B Certifications:	03/24/2021 06:57	03/25/2021 07:31	cm
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	17.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	39.5 %	30-150							



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.
21C0907

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170430001

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March 18, 2021 10:30 am

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Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0541	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:30	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A Certifications:	03/24/2021 06:57	03/25/2021 04:30	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	24.5 %	S-GC							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:47	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:47	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:47	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	96.0 %								

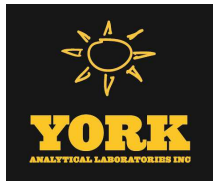
Metals, Target Analyte, ICP

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



Sample Information

Client Sample ID: MW06_031821

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Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	3.24		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-39-3	Barium	0.293		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-70-2	Calcium	50.9		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-47-3	Chromium	0.00822		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7439-89-6	Iron	6.96		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7439-92-1	Lead	0.0267		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7439-95-4	Magnesium	18.2		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7439-96-5	Manganese	0.380		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-09-7	Potassium	66.9	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-23-5	Sodium	149		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-62-2	Vanadium	0.0198		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM
7440-66-6	Zinc	0.0391		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:44	WJM

Metals, Target Analyte, ICP Dissolved

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
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-39-3	Barium	0.209		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-70-2	Calcium	45.5		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 10:30 am

Date Received
03/18/2021

Metals, Target Analyte, ICP Dissolved

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
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7439-89-6	Iron	0.535		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7439-95-4	Magnesium	16.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7439-96-5	Manganese	0.168		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-09-7	Potassium	68.4	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-23-5	Sodium	143		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/25/2021 12:22	WJM

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	1.59		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:36	BML
7440-38-2	Arsenic	39.5		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:36	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:36	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:36	BML
7782-49-2	Selenium	2.98		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:36	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:36	BML



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 10:30 am

Date Received
03/18/2021

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	1.58		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:28	BML
7440-38-2	Arsenic	35.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:28	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:28	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:28	BML
7782-49-2	Selenium	2.62		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:28	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:28	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 20:20	03/24/2021 20:20	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 20:22	03/24/2021 20:22	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/18/2021 17:59	03/18/2021 20:12	ZTS

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	03/25/2021 16:12	03/25/2021 16:21	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW06_031821

York Sample ID: 21C0907-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 10:30 am

03/18/2021

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 08:35	03/24/2021 13:23	ALH



Sample Information

Client Sample ID: EC_FB07_031821

York Sample ID: 21C0907-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 8:00 am

03/18/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.95	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:35	WL



Sample Information

Client Sample ID: EC_FB07_031821

York Sample ID: 21C0907-03

York Project (SDG) No.
21C0907

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 8:00 am

Date Received
03/18/2021

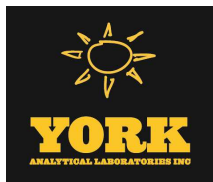
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butyanoic acid (PFBA)	ND		ng/L	1.95	1	EPA 537m	03/22/2021 18:18	03/24/2021 03:35	WL
Certifications:										
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		118 %	25-150							
Surrogate: M5PFHxA		107 %	25-150							
Surrogate: M4PFHpA		100 %	25-150							
Surrogate: M3PFHxS		104 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		99.8 %	25-150							
Surrogate: M6PFDA		94.7 %	25-150							
Surrogate: M7PFUdA		85.5 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		77.3 %	25-150							
Surrogate: M2PFTeDA		59.8 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		112 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		93.8 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic a		132 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfo		30.8 %	10-150							
Surrogate: d3-N-MeFOSAA		65.2 %	25-150							
Surrogate: d5-N-EtFOSAA		74.6 %	25-150							
Surrogate: M2-6:2 FTS		98.3 %	25-150							
Surrogate: M2-8:2 FTS		77.1 %	25-150							
Surrogate: M9PFNA		93.5 %	25-150							



Sample Information

Client Sample ID: GW_FB02_031821

York Sample ID: 21C0907-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 1:00 pm

03/18/2021

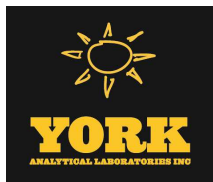
Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
78-93-3	2-Butanone	0.890	B	ug/L	0.200	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA



Sample Information

Client Sample ID: GW_FB02_031821

York Sample ID: 21C0907-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 1:00 pm

03/18/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
67-64-1	Acetone	4.52		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
71-43-2	Benzene	0.210		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
67-66-3	Chloroform	0.310		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA



Sample Information

Client Sample ID: GW_FB02_031821

York Sample ID: 21C0907-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 1:00 pm

03/18/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-09-2	Methylene chloride	1.10		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
95-47-6	o-Xylene	0.220		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
108-88-3	Toluene	0.910		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/19/2021 06:47	03/19/2021 17:13	KHA



Sample Information

Client Sample ID: GW_FB02_031821

York Sample ID: 21C0907-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0907

170430001

Water

March 18, 2021 1:00 pm

03/18/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:13	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	0.690		ug/L	0.600	1.50	1	EPA 8260C	03/19/2021 06:47	03/19/2021 17:13	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	89.6 %	79-122								



Analytical Batch Summary

Batch ID: BC11146 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/18/21
21C0907-02	MW06_031821	03/18/21
BC11146-BLK1	Blank	03/18/21
BC11146-BS1	LCS	03/18/21
BC11146-DUP1	Duplicate	03/18/21
BC11146-MS1	Matrix Spike	03/18/21

Batch ID: BC11198 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/19/21
21C0907-04	GW_FB02_031821	03/19/21
BC11198-BLK1	Blank	03/19/21
BC11198-BS1	LCS	03/19/21
BC11198-BSD1	LCS Dup	03/19/21

Batch ID: BC11281 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-02	MW06_031821	03/22/21
21C0907-02RE1	MW06_031821	03/22/21
BC11281-BLK1	Blank	03/22/21
BC11281-BS1	LCS	03/22/21
BC11281-BSD1	LCS Dup	03/22/21

Batch ID: BC11284 **Preparation Method:** EPA 3510C **Prepared By:** GO

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/22/21
21C0907-01RE1	MW10_031821	03/22/21
21C0907-02	MW06_031821	03/22/21
21C0907-02RE1	MW06_031821	03/22/21
BC11284-BLK1	Blank	03/22/21
BC11284-BLK2	Blank	03/22/21
BC11284-BS1	LCS	03/22/21
BC11284-BS2	LCS	03/22/21
BC11284-BSD1	LCS Dup	03/22/21

Batch ID: BC11310 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/22/21
21C0907-03	EC_FB07_031821	03/22/21



BC11310-BLK1	Blank	03/22/21
BC11310-BS1	LCS	03/22/21
BC11310-DUP1	Duplicate	03/22/21
BC11310-MS1	Matrix Spike	03/22/21

Batch ID: BC11315 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/23/21
21C0907-02	MW06_031821	03/23/21
BC11315-BLK1	Blank	03/23/21
BC11315-BS1	LCS	03/23/21
BC11315-MS1	Matrix Spike	03/23/21
BC11315-MSD1	Matrix Spike Dup	03/23/21

Batch ID: BC11399 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-02	MW06_031821	03/23/21
BC11399-BLK1	Blank	03/23/21
BC11399-BS1	LCS	03/23/21
BC11399-BSD1	LCS Dup	03/23/21

Batch ID: BC11413 **Preparation Method:** EPA 8151A **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/24/21
21C0907-02	MW06_031821	03/24/21
BC11413-BLK1	Blank	03/24/21
BC11413-BS1	LCS	03/24/21
BC11413-BSD1	LCS Dup	03/24/21

Batch ID: BC11415 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/24/21
21C0907-01	MW10_031821	03/24/21
21C0907-02	MW06_031821	03/24/21
21C0907-02	MW06_031821	03/24/21
BC11415-BLK1	Blank	03/24/21
BC11415-BLK2	Blank	03/24/21
BC11415-BS1	LCS	03/24/21
BC11415-BS2	LCS	03/24/21
BC11415-BSD1	LCS Dup	03/24/21
BC11415-BSD2	LCS Dup	03/24/21

Batch ID: BC11418 **Preparation Method:** Analysis Preparation **Prepared By:** ALH



YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/24/21
21C0907-02	MW06_031821	03/24/21
BC11418-BLK1	Blank	03/24/21
BC11418-BS1	LCS	03/24/21
BC11418-DUP1	Duplicate	03/24/21
BC11418-MS1	Matrix Spike	03/24/21

Batch ID: BC11436 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/24/21
21C0907-02	MW06_031821	03/24/21
BC11436-BLK1	Blank	03/24/21
BC11436-BS1	LCS	03/24/21
BC11436-DUP1	Duplicate	03/24/21
BC11436-MS1	Matrix Spike	03/24/21
BC11436-PS1	Post Spike	03/24/21

Batch ID: BC11438 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/24/21
21C0907-02	MW06_031821	03/24/21
BC11438-BLK1	Blank	03/24/21
BC11438-BS1	LCS	03/24/21
BC11438-DUP1	Duplicate	03/24/21
BC11438-MS1	Matrix Spike	03/24/21

Batch ID: BC11488 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/24/21
21C0907-02	MW06_031821	03/24/21
BC11488-BLK1	Blank	03/24/21
BC11488-BS1	LCS	03/24/21
BC11488-BS2	LCS	03/24/21

Batch ID: BC11489 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/24/21
21C0907-02	MW06_031821	03/24/21
BC11489-BS1	LCS	03/24/21
BC11489-BS2	LCS	03/24/21

Batch ID: BC11522 **Preparation Method:** EPA 3015A **Prepared By:** SK



YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/25/21
21C0907-02	MW06_031821	03/25/21
BC11522-BLK1	Blank	03/25/21
BC11522-BS1	LCS	03/25/21
BC11522-DUP1	Duplicate	03/25/21
BC11522-MS1	Matrix Spike	03/25/21
BC11522-PS1	Post Spike	03/25/21

Batch ID: BC11525 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/25/21
21C0907-02	MW06_031821	03/25/21
BC11525-BLK1	Blank	03/25/21
BC11525-BS1	LCS	03/25/21
BC11525-DUP1	Duplicate	03/25/21
BC11525-MS1	Matrix Spike	03/25/21

Batch ID: BC11563 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0907-01	MW10_031821	03/25/21
21C0907-02	MW06_031821	03/25/21



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 BC11198 - EPA 5030B											
Blank (BC11198-BLK1)	Blank										Prepared & Analyzed: 03/19/2021
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.690	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BC11198 - EPA 5030B

Blank (BC11198-BLK1)	Blank		Prepared & Analyzed: 03/19/2021								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.8</i>		<i>"</i>	<i>10.0</i>		<i>108</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.45</i>		<i>"</i>	<i>10.0</i>		<i>94.5</i>	<i>79-122</i>				

LCS (BC11198-BS1)	LCS		Prepared & Analyzed: 03/19/2021								
1,1,1,2-Tetrachloroethane	10.4		ug/L	10.0		104	82-126				
1,1,1-Trichloroethane	10.4		"	10.0		104	78-136				
1,1,2,2-Tetrachloroethane	10.0		"	10.0		100	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.2		"	10.0		122	54-165				
1,1,2-Trichloroethane	10.3		"	10.0		103	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	11.8		"	10.0		118	68-138				
1,2,3-Trichlorobenzene	8.47		"	10.0		84.7	76-136				
1,2,3-Trichloropropane	9.62		"	10.0		96.2	77-128				
1,2,4-Trichlorobenzene	9.51		"	10.0		95.1	76-137				
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132				
1,2-Dibromo-3-chloropropane	8.30		"	10.0		83.0	45-147				
1,2-Dibromoethane	10.2		"	10.0		102	83-124				
1,2-Dichlorobenzene	9.83		"	10.0		98.3	79-123				
1,2-Dichloroethane	10.7		"	10.0		107	73-132				
1,2-Dichloropropane	11.0		"	10.0		110	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	9.85		"	10.0		98.5	86-122				
1,4-Dichlorobenzene	9.82		"	10.0		98.2	85-124				
1,4-Dioxane	210		"	210		99.8	10-349				
2-Butanone	10.2		"	10.0		102	49-152				
2-Hexanone	11.0		"	10.0		110	51-146				
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145				
Acetone	10.6		"	10.0		106	14-150				
Acrolein	8.41		"	10.0		84.1	10-153				
Acrylonitrile	10.6		"	10.0		106	51-150				
Benzene	10.7		"	10.0		107	85-126				
Bromochloromethane	11.2		"	10.0		112	77-128				
Bromodichloromethane	10.5		"	10.0		105	79-128				



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 BC11198 - EPA 5030B

LCS (BC11198-BS1)	LCS	Prepared & Analyzed: 03/19/2021									
Bromoform	9.28	ug/L	10.0	92.8	78-133						
Bromomethane	4.96	"	10.0	49.6	43-168						
Carbon disulfide	11.5	"	10.0	115	68-146						
Carbon tetrachloride	10.6	"	10.0	106	77-141						
Chlorobenzene	10.4	"	10.0	104	88-120						
Chloroethane	10.3	"	10.0	103	65-136						
Chloroform	10.6	"	10.0	106	82-128						
Chloromethane	7.98	"	10.0	79.8	43-155						
cis-1,2-Dichloroethylene	11.1	"	10.0	111	83-129						
cis-1,3-Dichloropropylene	10.6	"	10.0	106	80-131						
Cyclohexane	9.66	"	10.0	96.6	63-149						
Dibromochloromethane	10.3	"	10.0	103	80-130						
Dibromomethane	10.4	"	10.0	104	72-134						
Dichlorodifluoromethane	11.0	"	10.0	110	44-144						
Ethyl Benzene	11.2	"	10.0	112	80-131						
Hexachlorobutadiene	12.6	"	10.0	126	67-146						
Isopropylbenzene	10.5	"	10.0	105	76-140						
Methyl acetate	9.99	"	10.0	99.9	51-139						
Methyl tert-butyl ether (MTBE)	10.4	"	10.0	104	76-135						
Methylcyclohexane	11.6	"	10.0	116	72-143						
Methylene chloride	11.8	"	10.0	118	55-137						
n-Butylbenzene	12.5	"	10.0	125	79-132						
n-Propylbenzene	10.7	"	10.0	107	78-133						
o-Xylene	11.1	"	10.0	111	78-130						
p- & m- Xylenes	22.7	"	20.0	113	77-133						
p-Isopropyltoluene	11.0	"	10.0	110	81-136						
sec-Butylbenzene	11.5	"	10.0	115	79-137						
Styrene	11.1	"	10.0	111	67-132						
tert-Butyl alcohol (TBA)	47.0	"	50.0	94.0	25-162						
tert-Butylbenzene	8.93	"	10.0	89.3	77-138						
Tetrachloroethylene	10.1	"	10.0	101	82-131						
Toluene	10.8	"	10.0	108	80-127						
trans-1,2-Dichloroethylene	11.8	"	10.0	118	80-132						
trans-1,3-Dichloropropylene	10.6	"	10.0	106	78-131						
Trichloroethylene	10.6	"	10.0	106	82-128						
Trichlorofluoromethane	11.0	"	10.0	110	67-139						
Vinyl Chloride	9.77	"	10.0	97.7	58-145						
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5	"	10.0	105	69-130						
Surrogate: SURR: Toluene-d8	10.1	"	10.0	101	81-117						
Surrogate: SURR: p-Bromofluorobenzene	9.80	"	10.0	98.0	79-122						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11198 - EPA 5030B											
LCS Dup (BC11198-BSD1)	LCS Dup		Prepared & Analyzed: 03/19/2021								
1,1,1,2-Tetrachloroethane	10.1		ug/L	10.0		101	82-126		2.34	30	
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136		3.61	30	
1,1,2,2-Tetrachloroethane	9.62		"	10.0		96.2	76-129		3.97	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	54-165		4.79	30	
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123		2.58	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		3.04	30	
1,1-Dichloroethylene	11.1		"	10.0		111	68-138		6.47	30	
1,2,3-Trichlorobenzene	8.48		"	10.0		84.8	76-136		0.118	30	
1,2,3-Trichloropropane	9.38		"	10.0		93.8	77-128		2.53	30	
1,2,4-Trichlorobenzene	9.39		"	10.0		93.9	76-137		1.27	30	
1,2,4-Trimethylbenzene	9.87		"	10.0		98.7	82-132		8.63	30	
1,2-Dibromo-3-chloropropane	8.20		"	10.0		82.0	45-147		1.21	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		2.81	30	
1,2-Dichlorobenzene	9.32		"	10.0		93.2	79-123		5.33	30	
1,2-Dichloroethane	10.8		"	10.0		108	73-132		1.30	30	
1,2-Dichloropropane	10.8		"	10.0		108	78-126		2.48	30	
1,3,5-Trimethylbenzene	9.89		"	10.0		98.9	80-131		8.89	30	
1,3-Dichlorobenzene	9.27		"	10.0		92.7	86-122		6.07	30	
1,4-Dichlorobenzene	9.27		"	10.0		92.7	85-124		5.76	30	
1,4-Dioxane	215		"	210		102	10-349		2.67	30	
2-Butanone	10.7		"	10.0		107	49-152		4.96	30	
2-Hexanone	11.6		"	10.0		116	51-146		4.79	30	
4-Methyl-2-pentanone	11.2		"	10.0		112	57-145		5.30	30	
Acetone	11.1		"	10.0		111	14-150		5.17	30	
Acrolein	8.87		"	10.0		88.7	10-153		5.32	30	
Acrylonitrile	11.2		"	10.0		112	51-150		5.21	30	
Benzene	10.3		"	10.0		103	85-126		3.33	30	
Bromochloromethane	11.4		"	10.0		114	77-128		1.24	30	
Bromodichloromethane	10.3		"	10.0		103	79-128		1.92	30	
Bromoform	9.55		"	10.0		95.5	78-133		2.87	30	
Bromomethane	5.18		"	10.0		51.8	43-168		4.34	30	
Carbon disulfide	11.0		"	10.0		110	68-146		4.79	30	
Carbon tetrachloride	10.1		"	10.0		101	77-141		4.44	30	
Chlorobenzene	10.2		"	10.0		102	88-120		2.62	30	
Chloroethane	9.78		"	10.0		97.8	65-136		5.18	30	
Chloroform	10.2		"	10.0		102	82-128		3.45	30	
Chloromethane	7.33		"	10.0		73.3	43-155		8.49	30	
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129		3.31	30	
cis-1,3-Dichloropropylene	10.5		"	10.0		105	80-131		1.33	30	
Cyclohexane	9.32		"	10.0		93.2	63-149		3.58	30	
Dibromochloromethane	10.4		"	10.0		104	80-130		0.965	30	
Dibromomethane	10.6		"	10.0		106	72-134		1.81	30	
Dichlorodifluoromethane	10.3		"	10.0		103	44-144		6.21	30	
Ethyl Benzene	10.8		"	10.0		108	80-131		3.27	30	
Hexachlorobutadiene	12.0		"	10.0		120	67-146		4.14	30	
Isopropylbenzene	9.43		"	10.0		94.3	76-140		10.5	30	
Methyl acetate	10.3		"	10.0		103	51-139		3.35	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		2.84	30	
Methylcyclohexane	11.3		"	10.0		113	72-143		2.62	30	
Methylene chloride	11.7		"	10.0		117	55-137		0.767	30	
n-Butylbenzene	11.4		"	10.0		114	79-132		8.70	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC11198 - EPA 5030B

LCS Dup (BC11198-BSD1)	LCS Dup	Prepared & Analyzed: 03/19/2021									
n-Propylbenzene	9.65		ug/L	10.0		96.5	78-133		10.1	30	
o-Xylene	10.8		"	10.0		108	78-130		2.73	30	
p- & m- Xylenes	22.0		"	20.0		110	77-133		3.00	30	
p-Isopropyltoluene	10.2		"	10.0		102	81-136		7.61	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		8.23	30	
Styrene	11.0		"	10.0		110	67-132		1.18	30	
tert-Butyl alcohol (TBA)	50.3		"	50.0		101	25-162		6.74	30	
tert-Butylbenzene	8.16		"	10.0		81.6	77-138		9.01	30	
Tetrachloroethylene	9.73		"	10.0		97.3	82-131		3.93	30	
Toluene	10.5		"	10.0		105	80-127		3.28	30	
trans-1,2-Dichloroethylene	11.2		"	10.0		112	80-132		5.24	30	
trans-1,3-Dichloropropylene	10.6		"	10.0		106	78-131		0.282	30	
Trichloroethylene	10.1		"	10.0		101	82-128		5.11	30	
Trichlorofluoromethane	10.6		"	10.0		106	67-139		4.45	30	
Vinyl Chloride	9.21		"	10.0		92.1	58-145		5.90	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.24		"	10.0		92.4	79-122				

Batch BC11281 - EPA 5030B

Blank (BC11281-BLK1)	Blank	Prepared & Analyzed: 03/22/2021									
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.780	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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 BC11281 - EPA 5030B

Blank (BC11281-BLK1)	Blank	Prepared & Analyzed: 03/22/2021									
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: SURRE: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.91		"	10.0		99.1	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 BC11281 - EPA 5030B											
LCS (BC11281-BS1)	LCS	Prepared & Analyzed: 03/22/2021									
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		"	10.0		126	54-165				
1,1,2-Trichloroethane	10.9		"	10.0		109	82-123				
1,1-Dichloroethane	11.3		"	10.0		113	82-129				
1,1-Dichloroethylene	12.4		"	10.0		124	68-138				
1,2,3-Trichlorobenzene	8.57		"	10.0		85.7	76-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	9.86		"	10.0		98.6	76-137				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	10.8		"	10.0		108	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	11.3		"	10.0		113	73-132				
1,2-Dichloropropane	11.7		"	10.0		117	78-126				
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124				
1,4-Dioxane	244		"	210		116	10-349				
2-Butanone	10.6		"	10.0		106	49-152				
2-Hexanone	11.6		"	10.0		116	51-146				
4-Methyl-2-pentanone	11.5		"	10.0		115	57-145				
Acetone	11.0		"	10.0		110	14-150				
Acrolein	9.83		"	10.0		98.3	10-153				
Acrylonitrile	11.5		"	10.0		115	51-150				
Benzene	11.3		"	10.0		113	85-126				
Bromochloromethane	12.1		"	10.0		121	77-128				
Bromodichloromethane	11.1		"	10.0		111	79-128				
Bromoform	9.83		"	10.0		98.3	78-133				
Bromomethane	5.82		"	10.0		58.2	43-168				
Carbon disulfide	12.4		"	10.0		124	68-146				
Carbon tetrachloride	11.1		"	10.0		111	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	12.1		"	10.0		121	65-136				
Chloroform	11.1		"	10.0		111	82-128				
Chloromethane	9.88		"	10.0		98.8	43-155				
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131				
Cyclohexane	10.0		"	10.0		100	63-149				
Dibromochloromethane	10.9		"	10.0		109	80-130				
Dibromomethane	10.9		"	10.0		109	72-134				
Dichlorodifluoromethane	13.9		"	10.0		139	44-144				
Ethyl Benzene	11.8		"	10.0		118	80-131				
Hexachlorobutadiene	12.1		"	10.0		121	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl acetate	10.6		"	10.0		106	51-139				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135				
Methylcyclohexane	12.0		"	10.0		120	72-143				
Methylene chloride	12.2		"	10.0		122	55-137				
n-Butylbenzene	12.9		"	10.0		129	79-132				



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 BC11281 - EPA 5030B											
LCS (BC11281-BS1)	LCS		Prepared & Analyzed: 03/22/2021								
n-Propylbenzene	11.3		ug/L	10.0		113	78-133				
o-Xylene	11.7		"	10.0		117	78-130				
p- & m- Xylenes	23.8		"	20.0		119	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	11.7		"	10.0		117	67-132				
tert-Butyl alcohol (TBA)	52.1		"	50.0		104	25-162				
tert-Butylbenzene	9.43		"	10.0		94.3	77-138				
Tetrachloroethylene	10.6		"	10.0		106	82-131				
Toluene	11.4		"	10.0		114	80-127				
trans-1,2-Dichloroethylene	12.4		"	10.0		124	80-132				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	78-131				
Trichloroethylene	11.2		"	10.0		112	82-128				
Trichlorofluoromethane	12.6		"	10.0		126	67-139				
Vinyl Chloride	11.7		"	10.0		117	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.97		"	10.0		99.7	79-122				
LCS Dup (BC11281-BS1)	LCS Dup		Prepared & Analyzed: 03/22/2021								
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		0.0927	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		3.59	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		0.937	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	54-165		2.56	30	
1,1,2-Trichloroethane	11.2		"	10.0		112	82-123		3.08	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		1.70	30	
1,1-Dichloroethylene	12.1		"	10.0		121	68-138		2.29	30	
1,2,3-Trichlorobenzene	8.95		"	10.0		89.5	76-136		4.34	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		0.0972	30	
1,2,4-Trichlorobenzene	9.99		"	10.0		99.9	76-137		1.31	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		4.21	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		3.90	30	
1,2-Dibromoethane	11.2		"	10.0		112	83-124		3.09	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		1.27	30	
1,2-Dichloroethane	11.5		"	10.0		115	73-132		2.46	30	
1,2-Dichloropropane	11.6		"	10.0		116	78-126		0.859	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		4.28	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		3.20	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124		2.63	30	
1,4-Dioxane	247		"	210		117	10-349		1.01	30	
2-Butanone	11.2		"	10.0		112	49-152		5.44	30	
2-Hexanone	12.2		"	10.0		122	51-146		5.37	30	
4-Methyl-2-pentanone	11.7		"	10.0		117	57-145		2.16	30	
Acetone	11.2		"	10.0		112	14-150		2.61	30	
Acrolein	10.1		"	10.0		101	10-153		2.31	30	
Acrylonitrile	11.9		"	10.0		119	51-150		3.58	30	
Benzene	11.1		"	10.0		111	85-126		1.43	30	
Bromochloromethane	12.2		"	10.0		122	77-128		0.0823	30	
Bromodichloromethane	11.1		"	10.0		111	79-128		0.270	30	
Bromoform	10.3		"	10.0		103	78-133		4.48	30	
Bromomethane	6.04		"	10.0		60.4	43-168		3.71	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11281 - EPA 5030B											
LCS Dup (BC11281-BSD1)	LCS Dup		Prepared & Analyzed: 03/22/2021								
Carbon disulfide	11.9		ug/L	10.0		119	68-146		3.71	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		2.10	30	
Chlorobenzene	10.9		"	10.0		109	88-120		0.914	30	
Chloroethane	11.5		"	10.0		115	65-136		5.17	30	
Chloroform	11.0		"	10.0		110	82-128		1.09	30	
Chloromethane	9.28		"	10.0		92.8	43-155		6.26	30	
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129		1.47	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131		0.887	30	
Cyclohexane	9.84		"	10.0		98.4	63-149		2.11	30	
Dibromochloromethane	11.0		"	10.0		110	80-130		1.28	30	
Dibromomethane	11.1		"	10.0		111	72-134		1.72	30	
Dichlorodifluoromethane	13.1		"	10.0		131	44-144		6.08	30	
Ethyl Benzene	11.5		"	10.0		115	80-131		1.80	30	
Hexachlorobutadiene	12.8		"	10.0		128	67-146		5.47	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		5.67	30	
Methyl acetate	11.1		"	10.0		111	51-139		4.60	30	
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	76-135		2.37	30	
Methylcyclohexane	11.7		"	10.0		117	72-143		2.20	30	
Methylene chloride	12.1		"	10.0		121	55-137		0.576	30	
n-Butylbenzene	12.6		"	10.0		126	79-132		2.27	30	
n-Propylbenzene	10.7		"	10.0		107	78-133		5.44	30	
o-Xylene	11.5		"	10.0		115	78-130		1.38	30	
p- & m- Xylenes	23.4		"	20.0		117	77-133		1.69	30	
p-Isopropyltoluene	11.2		"	10.0		112	81-136		4.01	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		4.05	30	
Styrene	11.7		"	10.0		117	67-132		0.684	30	
tert-Butyl alcohol (TBA)	53.0		"	50.0		106	25-162		1.64	30	
tert-Butylbenzene	9.03		"	10.0		90.3	77-138		4.33	30	
Tetrachloroethylene	10.4		"	10.0		104	82-131		2.01	30	
Toluene	11.1		"	10.0		111	80-127		2.66	30	
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132		3.29	30	
trans-1,3-Dichloropropylene	11.5		"	10.0		115	78-131		1.14	30	
Trichloroethylene	10.9		"	10.0		109	82-128		2.89	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		3.73	30	
Vinyl Chloride	11.3		"	10.0		113	58-145		4.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.64		"	10.0		96.4	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

										RPD	
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BC11284 - EPA 3510C											
Blank (BC11284-BLK1)		Blank									
Prepared: 03/22/2021 Analyzed: 03/23/2021											
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile 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 BC11284 - EPA 3510C

Blank (BC11284-BLK1)	Blank	Prepared: 03/22/2021 Analyzed: 03/23/2021									
Surrogate: SURR: 2-Fluorophenol	14.6		ug/L	50.0		29.1	19.7-63.1				
Surrogate: SURR: Phenol-d5	9.50		"	50.0		19.0	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	19.8		"	25.0		79.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.5		"	25.0		70.1	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	43.9		"	50.0		87.9	39.3-151				
Surrogate: SURR: Terphenyl-d14	28.0		"	25.0		112	30.7-106				

Blank (BC11284-BLK2)	Blank	Prepared: 03/22/2021 Analyzed: 03/23/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								



Semivolatile 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 BC11284 - EPA 3510C

Blank (BC11284-BLK2)	Blank										Prepared: 03/22/2021 Analyzed: 03/23/2021
Bis(2-chloroethoxy)methane	ND	5.00	ug/L								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	0.0500	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC11284 - EPA 3510C											
LCS (BC11284-BS1)	LCS										
						Prepared: 03/22/2021 Analyzed: 03/23/2021					
1,1-Biphenyl	15.4	5.00	ug/L	25.0		61.8	33-95				
1,2,4,5-Tetrachlorobenzene	15.1	5.00	"	25.0		60.3	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	20.6	5.00	"	25.0		82.6	16-141				
2,3,4,6-Tetrachlorophenol	21.2	5.00	"	25.0		85.0	30-130				
2,4,5-Trichlorophenol	15.4	5.00	"	25.0		61.6	32-114				
2,4,6-Trichlorophenol	14.9	5.00	"	25.0		59.6	35-118				
2,4-Dichlorophenol	15.2	5.00	"	25.0		60.6	25-116				
2,4-Dimethylphenol	13.0	5.00	"	25.0		51.8	15-116				
2,4-Dinitrophenol	12.3	5.00	"	25.0		49.2	10-170				
2,4-Dinitrotoluene	21.1	5.00	"	25.0		84.5	41-128				
2,6-Dinitrotoluene	19.2	5.00	"	25.0		76.9	45-116				
2-Chloronaphthalene	15.3	5.00	"	25.0		61.3	33-112				
2-Chlorophenol	10.9	5.00	"	25.0		43.7	15-120				
2-Methylnaphthalene	17.8	5.00	"	25.0		71.1	24-118				
2-Methylphenol	9.52	5.00	"	25.0		38.1	10-110				
2-Nitroaniline	17.8	5.00	"	25.0		71.2	34-129				
2-Nitrophenol	16.8	5.00	"	25.0		67.3	28-118				
3- & 4-Methylphenols	8.46	5.00	"	25.0		33.8	10-107				
3,3-Dichlorobenzidine	16.2	5.00	"	25.0		64.6	15-187				
3-Nitroaniline	13.3	5.00	"	25.0		53.3	24-134				
4,6-Dinitro-2-methylphenol	19.3	5.00	"	25.0		77.2	10-153				
4-Bromophenyl phenyl ether	19.0	5.00	"	25.0		76.0	34-120				
4-Chloro-3-methylphenol	15.0	5.00	"	25.0		60.0	20-120				
4-Chloroaniline	10.6	5.00	"	25.0		42.5	10-147				
4-Chlorophenyl phenyl ether	16.2	5.00	"	25.0		64.9	27-121				
4-Nitroaniline	16.5	5.00	"	25.0		65.9	13-134				
4-Nitrophenol	7.85	5.00	"	25.0		31.4	10-131				
Acetophenone	15.7	5.00	"	25.0		62.6	25-110				
Aniline	5.20	5.00	"	25.0		20.8	10-117				
Benzaldehyde	15.5	5.00	"	25.0		62.0	29-117				
Benzoic acid	4.33	5.00	"	25.0		17.3	30-130	Low Bias			
Benzyl alcohol	11.3	5.00	"	25.0		45.2	10-117				
Benzyl butyl phthalate	24.0	5.00	"	25.0		96.0	29-133				
Bis(2-chloroethoxy)methane	16.7	5.00	"	25.0		66.9	10-154				
Bis(2-chloroethyl)ether	13.7	5.00	"	25.0		54.8	17-125				
Bis(2-chloroisopropyl)ether	19.2	5.00	"	25.0		76.7	10-139				
Caprolactam	2.95	5.00	"	25.0		11.8	10-137				
Carbazole	21.2	5.00	"	25.0		84.6	42-126				
Dibenzofuran	15.8	5.00	"	25.0		63.4	36-113				
Diethyl phthalate	19.0	5.00	"	25.0		75.8	38-115				
Dimethyl phthalate	16.8	5.00	"	25.0		67.2	38-129				
Di-n-butyl phthalate	23.1	5.00	"	25.0		92.5	31-120				
Di-n-octyl phthalate	26.4	5.00	"	25.0		106	21-149				
Diphenylamine	23.0	5.00	"	25.0		92.0	40-140				
Hexachlorocyclopentadiene	5.81	10.0	"	25.0		23.2	10-130				
Isophorone	17.1	5.00	"	25.0		68.5	25-127				
N-nitroso-di-n-propylamine	17.0	5.00	"	25.0		68.0	26-122				
N-Nitrosodiphenylamine	24.4	5.00	"	25.0		97.6	23-149				
Phenol	5.42	5.00	"	25.0		21.7	10-110				
Pyridine	5.18	5.00	"	25.2		20.5	10-90				
Surrogate: SURR: 2-Fluorophenol	15.5		"	50.0		31.1	19.7-63.1				



Semivolatile 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 BC11284 - EPA 3510C

LCS (BC11284-BS1)	LCS	Prepared: 03/22/2021 Analyzed: 03/23/2021									
Surrogate: SURR: Phenol-d5	10.6		ug/L	50.0		21.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	20.0		"	25.0		79.9	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.0		"	25.0		71.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	48.4		"	50.0		96.7	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.8		"	25.0		91.3	30.7-106				

LCS (BC11284-BS2)	LCS	Prepared: 03/22/2021 Analyzed: 03/23/2021									
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.650	0.0500	"	1.00		65.0	25-116				
Acenaphthylene	0.670	0.0500	"	1.00		67.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.640	0.0500	"	1.00		64.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.790	0.0500	"	1.00		79.0	33-125				
Benzo(a)pyrene	0.620	0.0500	"	1.00		62.0	32-132				
Benzo(b)fluoranthene	0.760	0.0500	"	1.00		76.0	22-137				
Benzo(g,h,i)perylene	1.29	0.0500	"	1.00		129	10-138				
Benzo(k)fluoranthene	0.690	0.0500	"	1.00		69.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			



Semivolatile 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 BC11284 - EPA 3510C

LCS (BC11284-BS2)	LCS	Prepared: 03/22/2021 Analyzed: 03/23/2021									
Bis(2-ethylhexyl)phthalate	1.15	0.500	ug/L	1.00		115	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.820	0.0500	"	1.00		82.0	32-124				
Dibenzo(a,h)anthracene	1.08	0.0500	"	1.00		108	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.770	0.0500	"	1.00		77.0	32-121				
Fluorene	0.670	0.0500	"	1.00		67.0	28-118				
Hexachlorobenzene	0.630	0.0200	"	1.00		63.0	23-124				
Hexachlorobutadiene	0.620	0.500	"	1.00		62.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.610	0.500	"	1.00		61.0	18-115				
Indeno(1,2,3-cd)pyrene	1.13	0.0500	"	1.00		113	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.640	0.0500	"	1.00		64.0	18-120				
Nitrobenzene	0.680	0.250	"	1.00		68.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	1.29	0.250	"	1.00		129	10-156				
Phenanthrene	0.710	0.0500	"	1.00		71.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.740	0.0500	"	1.00		74.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC11284 - EPA 3510C											
LCS Dup (BC11284-BSD1)	LCS Dup		Prepared: 03/22/2021 Analyzed: 03/23/2021								
1,1-Biphenyl	18.7	5.00	ug/L	25.0		74.8	33-95		19.2	20	
1,2,4,5-Tetrachlorobenzene	17.4	5.00	"	25.0		69.7	26-120		14.5	20	
1,2-Diphenylhydrazine (as Azobenzene)	22.9	5.00	"	25.0		91.7	16-141		10.4	20	
2,3,4,6-Tetrachlorophenol	21.5	5.00	"	25.0		86.0	30-130		1.12	20	
2,4,5-Trichlorophenol	15.4	5.00	"	25.0		61.8	32-114		0.389	20	
2,4,6-Trichlorophenol	15.6	5.00	"	25.0		62.6	35-118		4.91	20	
2,4-Dichlorophenol	14.3	5.00	"	25.0		57.1	25-116		5.91	20	
2,4-Dimethylphenol	12.5	5.00	"	25.0		50.1	15-116		3.37	20	
2,4-Dinitrophenol	10.1	5.00	"	25.0		40.5	10-170		19.3	20	
2,4-Dinitrotoluene	22.6	5.00	"	25.0		90.4	41-128		6.68	20	
2,6-Dinitrotoluene	21.5	5.00	"	25.0		86.1	45-116		11.3	20	
2-Chloronaphthalene	17.7	5.00	"	25.0		70.6	33-112		14.2	20	
2-Chlorophenol	9.93	5.00	"	25.0		39.7	15-120		9.59	20	
2-Methylnaphthalene	20.6	5.00	"	25.0		82.4	24-118		14.7	20	
2-Methylphenol	9.08	5.00	"	25.0		36.3	10-110		4.73	20	
2-Nitroaniline	20.3	5.00	"	25.0		81.1	34-129		13.0	20	
2-Nitrophenol	16.4	5.00	"	25.0		65.6	28-118		2.53	20	
3- & 4-Methylphenols	7.98	5.00	"	25.0		31.9	10-107		5.84	20	
3,3-Dichlorobenzidine	16.2	5.00	"	25.0		64.8	15-187		0.371	20	
3-Nitroaniline	16.3	5.00	"	25.0		65.2	24-134		20.1	20	Non-dir.
4,6-Dinitro-2-methylphenol	17.9	5.00	"	25.0		71.7	10-153		7.36	20	
4-Bromophenyl phenyl ether	21.0	5.00	"	25.0		83.9	34-120		9.90	20	
4-Chloro-3-methylphenol	14.0	5.00	"	25.0		55.9	20-120		7.18	20	
4-Chloroaniline	14.1	5.00	"	25.0		56.6	10-147		28.3	20	Non-dir.
4-Chlorophenyl phenyl ether	18.0	5.00	"	25.0		71.9	27-121		10.2	20	
4-Nitroaniline	17.4	5.00	"	25.0		69.4	13-134		5.20	20	
4-Nitrophenol	8.09	5.00	"	25.0		32.4	10-131		3.01	20	
Acetophenone	17.4	5.00	"	25.0		69.6	25-110		10.5	20	
Aniline	6.40	5.00	"	25.0		25.6	10-117		20.7	20	Non-dir.
Benzaldehyde	16.9	5.00	"	25.0		67.6	29-117		8.58	20	
Benzoic acid	4.75	5.00	"	25.0		19.0	30-130	Low Bias	9.25	20	
Benzyl alcohol	12.6	5.00	"	25.0		50.6	10-117		11.3	20	
Benzyl butyl phthalate	25.1	5.00	"	25.0		100	29-133		4.56	20	
Bis(2-chloroethoxy)methane	19.4	5.00	"	25.0		77.7	10-154		14.9	20	
Bis(2-chloroethyl)ether	18.6	5.00	"	25.0		74.3	17-125		30.2	20	Non-dir.
Bis(2-chloroisopropyl)ether	21.8	5.00	"	25.0		87.3	10-139		12.9	20	
Caprolactam	3.28	5.00	"	25.0		13.1	10-137		10.6	20	
Carbazole	21.9	5.00	"	25.0		87.5	42-126		3.35	20	
Dibenzofuran	18.6	5.00	"	25.0		74.5	36-113		16.2	20	
Diethyl phthalate	20.8	5.00	"	25.0		83.1	38-115		9.16	20	
Dimethyl phthalate	18.5	5.00	"	25.0		74.0	38-129		9.64	20	
Di-n-butyl phthalate	22.9	5.00	"	25.0		91.5	31-120		1.09	20	
Di-n-octyl phthalate	26.5	5.00	"	25.0		106	21-149		0.151	20	
Diphenylamine	25.0	5.00	"	25.0		99.9	40-140		8.26	20	
Hexachlorocyclopentadiene	6.24	10.0	"	25.0		25.0	10-130		7.14	20	
Isophorone	20.2	5.00	"	25.0		81.0	25-127		16.8	20	
N-nitroso-di-n-propylamine	19.0	5.00	"	25.0		76.0	26-122		11.1	20	
N-Nitrosodiphenylamine	26.3	5.00	"	25.0		105	23-149		7.46	20	
Phenol	5.49	5.00	"	25.0		22.0	10-110		1.28	20	
Pyridine	5.83	5.00	"	25.2		23.1	10-90		11.8	20	
Surrogate: SURR: 2-Fluorophenol	14.8		"	50.0		29.7	19.7-63.1				



Semivolatile 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 BC11284 - EPA 3510C

LCS Dup (BC11284-BSD1) LCS Dup

Prepared: 03/22/2021 Analyzed: 03/23/2021

Surrogate: SURR: Phenol-d5	10.9		ug/L	50.0		21.8	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	23.0		"	25.0		92.0	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	20.8		"	25.0		83.4	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	46.1		"	50.0		92.1	39.3-151				
Surrogate: SURR: Terphenyl-d14	21.3		"	25.0		85.3	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC11315 - EPA 3535A											
Blank (BC11315-BLK1)	Blank		Prepared & Analyzed: 03/23/2021								
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	36.6-118				
LCS (BC11315-BS1)	LCS		Prepared & Analyzed: 03/23/2021								
1,4-Dioxane	4.80	0.300	ug/L	4.00		120	50-130				
Surrogate: 1,4-Dioxane-d8	3.20		"	4.00		80.0	36.6-118				
Matrix Spike (BC11315-MS1)	Matrix Spike	*Source sample: 21C1043-01 (Matrix Spike)		Prepared & Analyzed: 03/23/2021							
1,4-Dioxane	4.46	0.300	ug/L	4.00	ND	112	50-130				
Surrogate: 1,4-Dioxane-d8	2.72		"	4.00		68.0	50-130				
Matrix Spike Dup (BC11315-MS1-DUP)	Matrix Spike Dup	*Source sample: 21C1043-01 (Matrix Spike Dup)		Prepared & Analyzed: 03/23/2021							
1,4-Dioxane	4.67	0.300	ug/L	4.00	ND	117	50-130		4.55	30	
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	50-130				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M

Blank (BC11310-BLK1)		Blank		Prepared: 03/22/2021 Analyzed: 03/24/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	73.7		"	74.3		99.1	25-150				
Surrogate: M5PFHxA	77.4		"	80.0		96.8	25-150				
Surrogate: M4PFHpA	84.0		"	80.0		105	25-150				
Surrogate: M3PFHxS	72.4		"	75.7		95.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	81.2		"	80.0		102	25-150				
Surrogate: M6PFDA	78.9		"	80.0		98.6	25-150				
Surrogate: M7PFUdA	72.9		"	80.0		91.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	77.7		"	80.0		97.1	25-150				
Surrogate: M2PFTeDA	60.6		"	80.0		75.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	71.3		"	80.0		89.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.0		"	76.6		92.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.4		"	80.0		90.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.6		"	80.0		29.4	10-150				
Surrogate: d3-N-MeFOSAA	56.8		"	80.0		71.0	25-150				
Surrogate: d5-N-EtFOSAA	64.1		"	80.0		80.1	25-150				
Surrogate: M2-6:2 FTS	65.2		"	75.9		85.9	25-150				
Surrogate: M2-8:2 FTS	78.4		"	76.6		102	25-150				
Surrogate: M9PFNA	83.1		"	80.0		104	25-150				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M											
LCS (BC11310-BS1)	LCS						Prepared: 03/22/2021 Analyzed: 03/24/2021				
Perfluorobutanesulfonic acid (PFBS)	65.4	2.00	ng/L	70.8		92.4	50-130				
Perfluorohexanoic acid (PFHxA)	73.5	2.00	"	80.0		91.9	50-130				
Perfluoroheptanoic acid (PFHpA)	71.3	2.00	"	80.0		89.2	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.3	2.00	"	73.0		81.3	50-130				
Perfluorooctanoic acid (PFOA)	74.7	2.00	"	80.0		93.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	73.5	2.00	"	74.1		99.3	50-130				
Perfluorononanoic acid (PFNA)	70.2	2.00	"	80.0		87.7	50-130				
Perfluorodecanoic acid (PFDA)	77.3	2.00	"	80.0		96.6	50-130				
Perfluoroundecanoic acid (PFUnA)	76.8	2.00	"	80.0		96.0	50-130				
Perfluorododecanoic acid (PFDoA)	75.9	2.00	"	80.0		94.9	50-130				
Perfluorotridecanoic acid (PFTDA)	58.3	2.00	"	80.0		72.9	50-130				
Perfluorotetradecanoic acid (PFTA)	77.4	2.00	"	80.0		96.8	50-130				
N-MeFOSAA	74.1	2.00	"	80.0		92.6	50-130				
N-EtFOSAA	70.5	2.00	"	80.0		88.1	50-130				
Perfluoropentanoic acid (PFPeA)	79.1	2.00	"	80.0		98.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.3	2.00	"	80.0		95.4	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.4	2.00	"	76.0		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	69.8	2.00	"	77.2		90.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	75.6	5.00	"	76.0		99.5	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	94.8	2.00	"	76.8		123	50-130				
Perfluoro-n-butanoic acid (PFBA)	80.8	2.00	"	80.0		101	50-130				
Surrogate: M3PFBS	76.4		"	74.3		103	25-150				
Surrogate: M5PFHxA	76.9		"	80.0		96.2	25-150				
Surrogate: M4PFHpA	82.8		"	80.0		104	25-150				
Surrogate: M3PFHxS	74.2		"	75.7		98.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	79.4		"	80.0		99.3	25-150				
Surrogate: M6PFDA	71.9		"	80.0		89.9	25-150				
Surrogate: M7PFUdA	67.9		"	80.0		84.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	75.6		"	80.0		94.4	25-150				
Surrogate: M2PFTeDA	61.0		"	80.0		76.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	72.0		"	80.0		90.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.2		"	76.6		93.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.4		"	80.0		90.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.4		"	80.0		28.0	10-150				
Surrogate: d3-N-MeFOSAA	51.4		"	80.0		64.3	25-150				
Surrogate: d5-N-EtFOSAA	53.4		"	80.0		66.7	25-150				
Surrogate: M2-6:2 FTS	73.4		"	75.9		96.7	25-150				
Surrogate: M2-8:2 FTS	70.3		"	76.6		91.7	25-150				
Surrogate: M9PFNA	78.3		"	80.0		97.9	25-150				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M

Duplicate (BC11310-DUP1)	Duplicate	*Source sample: 21C0827-01 (Duplicate)				Prepared: 03/22/2021 Analyzed: 03/24/2021					
Perfluorobutanesulfonic acid (PFBS)	ND	0.880	ng/L	ND	30						
Perfluorohexanoic acid (PFHxA)	ND	0.880	"	1.51	30						
Perfluoroheptanoic acid (PFHpA)	ND	0.880	"	ND	30						
Perfluorohexanesulfonic acid (PFHxS)	ND	0.880	"	ND	30						
Perfluorooctanoic acid (PFOA)	ND	0.880	"	ND	30						
Perfluorooctanesulfonic acid (PFOS)	ND	0.880	"	ND	30						
Perfluorononanoic acid (PFNA)	ND	0.880	"	ND	30						
Perfluorodecanoic acid (PFDA)	ND	0.880	"	ND	30						
Perfluoroundecanoic acid (PFUnA)	ND	0.880	"	ND	30						
Perfluorododecanoic acid (PFDoA)	ND	0.880	"	ND	30						
Perfluorotridecanoic acid (PFTriDA)	ND	0.880	"	ND	30						
Perfluorotetradecanoic acid (PFTA)	ND	0.880	"	ND	30						
N-MeFOSAA	ND	0.880	"	ND	30						
N-EtFOSAA	ND	0.880	"	ND	30						
Perfluoropentanoic acid (PFPeA)	0.958	0.880	"	1.56	47.6	30					Non-dir.
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.880	"	ND	30						
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.880	"	ND	30						
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.880	"	ND	30						
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	2.20	"	ND	30						
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.880	"	ND	30						
Perfluoro-n-butanoic acid (PFBA)	ND	0.880	"	0.947	30						
Surrogate: M3PFBS	32.1		"	32.7	98.2	25-150					
Surrogate: M5PFHxA	34.9		"	35.2	99.2	25-150					
Surrogate: M4PFHpA	32.4		"	35.2	92.0	25-150					
Surrogate: M3PFHxS	38.7		"	33.3	116	25-150					
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.1		"	35.2	91.1	25-150					
Surrogate: M6PFDA	21.3		"	35.2	60.4	25-150					
Surrogate: M7PFUdA	19.9		"	35.2	56.6	25-150					
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	22.8		"	35.2	64.7	25-150					
Surrogate: M2PFTeDA	26.1		"	35.2	74.1	10-150					
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.3		"	35.2	34.9	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	28.4		"	33.7	84.3	25-150					
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	22.2		"	35.2	63.0	25-150					
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.30		"	35.2	6.53	10-150					
Surrogate: d3-N-MeFOSAA	16.3		"	35.2	46.3	25-150					
Surrogate: d5-N-EtFOSAA	17.2		"	35.2	49.0	25-150					
Surrogate: M2-6:2 FTS	33.9		"	33.4	102	25-150					
Surrogate: M2-8:2 FTS	24.9		"	33.7	74.0	25-150					
Surrogate: M9PFNA	24.3		"	35.2	69.1	25-150					



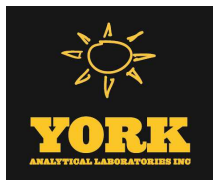
PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC11310 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC11310-MS1)	Matrix Spike	*Source sample: 21C0827-02 (Matrix Spike)						Prepared: 03/22/2021 Analyzed: 03/24/2021			
Perfluorobutanesulfonic acid (PFBS)	34.8	0.871	ng/L	30.8	1.20	109	25-150				
Perfluorohexanoic acid (PFHxA)	39.2	0.871	"	34.8	2.68	105	25-150				
Perfluoroheptanoic acid (PFHpA)	42.2	0.871	"	34.8	1.26	118	25-150				
Perfluorohexanesulfonic acid (PFHxS)	34.4	0.871	"	31.8	ND	108	25-150				
Perfluorooctanoic acid (PFOA)	40.4	0.871	"	34.8	5.05	101	25-150				
Perfluorooctanesulfonic acid (PFOS)	46.2	0.871	"	32.3	11.9	106	25-150				
Perfluorononanoic acid (PFNA)	35.8	0.871	"	34.8	ND	103	25-150				
Perfluorodecanoic acid (PFDA)	38.7	0.871	"	34.8	ND	111	25-150				
Perfluoroundecanoic acid (PFUnA)	38.1	0.871	"	34.8	ND	109	25-150				
Perfluorododecanoic acid (PFDoA)	38.0	0.871	"	34.8	ND	109	25-150				
Perfluorotridecanoic acid (PFTrDA)	36.9	0.871	"	34.8	ND	106	25-150				
Perfluorotetradecanoic acid (PFTA)	38.0	0.871	"	34.8	ND	109	25-150				
N-MeFOSAA	34.2	0.871	"	34.8	ND	98.0	25-150				
N-EtFOSAA	32.2	0.871	"	34.8	ND	92.5	25-150				
Perfluoropentanoic acid (PFPeA)	42.0	0.871	"	34.8	3.94	109	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	33.8	0.871	"	34.8	ND	97.0	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	40.5	0.871	"	33.1	ND	122	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	31.9	0.871	"	33.6	ND	95.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	34.4	2.18	"	33.1	ND	104	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	34.8	0.871	"	33.4	ND	104	25-150				
Perfluoro-n-butanoic acid (PFBA)	44.5	0.871	"	34.8	6.18	110	25-150				
<i>Surrogate: M3PFBS</i>	<i>35.0</i>		<i>"</i>	<i>32.4</i>		<i>108</i>	<i>25-150</i>				
<i>Surrogate: M5PFHxA</i>	<i>37.1</i>		<i>"</i>	<i>34.8</i>		<i>106</i>	<i>25-150</i>				
<i>Surrogate: M4PFHpA</i>	<i>31.6</i>		<i>"</i>	<i>34.8</i>		<i>90.7</i>	<i>25-150</i>				
<i>Surrogate: M3PFHxS</i>	<i>36.1</i>		<i>"</i>	<i>33.0</i>		<i>110</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	<i>34.1</i>		<i>"</i>	<i>34.8</i>		<i>97.9</i>	<i>25-150</i>				
<i>Surrogate: M6PFDA</i>	<i>21.1</i>		<i>"</i>	<i>34.8</i>		<i>60.6</i>	<i>25-150</i>				
<i>Surrogate: M7PFUdA</i>	<i>19.2</i>		<i>"</i>	<i>34.8</i>		<i>55.1</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	<i>19.6</i>		<i>"</i>	<i>34.8</i>		<i>56.2</i>	<i>25-150</i>				
<i>Surrogate: M2PFTeDA</i>	<i>21.5</i>		<i>"</i>	<i>34.8</i>		<i>61.7</i>	<i>10-150</i>				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	<i>23.7</i>		<i>"</i>	<i>34.8</i>		<i>68.0</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	<i>30.7</i>		<i>"</i>	<i>33.3</i>		<i>92.1</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	<i>32.3</i>		<i>"</i>	<i>34.8</i>		<i>92.8</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	<i>2.74</i>		<i>"</i>	<i>34.8</i>		<i>7.86</i>	<i>10-150</i>				
<i>Surrogate: d3-N-MeFOSAA</i>	<i>16.6</i>		<i>"</i>	<i>34.8</i>		<i>47.5</i>	<i>25-150</i>				
<i>Surrogate: d5-N-EtFOSAA</i>	<i>17.0</i>		<i>"</i>	<i>34.8</i>		<i>48.8</i>	<i>25-150</i>				
<i>Surrogate: M2-6:2 FTS</i>	<i>36.3</i>		<i>"</i>	<i>33.1</i>		<i>110</i>	<i>25-150</i>				
<i>Surrogate: M2-8:2 FTS</i>	<i>31.0</i>		<i>"</i>	<i>33.4</i>		<i>92.8</i>	<i>25-150</i>				
<i>Surrogate: M9PFNA</i>	<i>26.4</i>		<i>"</i>	<i>34.8</i>		<i>75.9</i>	<i>25-150</i>				



PFAS Target compounds by LC/MS-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 BC11399 - SPE Ext-PFAS-EPA 537.1M

Blank (BC11399-BLK1)		Blank		Prepared: 03/23/2021 Analyzed: 03/25/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	68.5		"	74.3		92.2	25-150				
Surrogate: M5PFHxA	70.9		"	80.0		88.6	25-150				
Surrogate: M4PFHpA	66.6		"	80.0		83.2	25-150				
Surrogate: M3PFHxS	65.7		"	75.7		86.9	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	76.8		"	80.0		96.0	25-150				
Surrogate: M6PFDA	69.4		"	80.0		86.8	25-150				
Surrogate: M7PFUdA	65.1		"	80.0		81.4	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	68.5		"	80.0		85.7	25-150				
Surrogate: M2PFTeDA	63.9		"	80.0		79.9	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	66.4		"	80.0		83.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	64.5		"	76.6		84.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	64.2		"	80.0		80.2	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	52.1		"	80.0		65.1	10-150				
Surrogate: d3-N-MeFOSAA	55.6		"	80.0		69.5	25-150				
Surrogate: d5-N-EtFOSAA	55.4		"	80.0		69.2	25-150				
Surrogate: M2-6:2 FTS	59.1		"	75.9		77.9	25-150				
Surrogate: M2-8:2 FTS	78.3		"	76.6		102	25-150				
Surrogate: M9PFNA	75.8		"	80.0		94.7	25-150				



PFAS Target compounds by LC/MS-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 BC11399 - SPE Ext-PFAS-EPA 537.1M

LCS (BC11399-BS1)	LCS	Prepared: 03/23/2021 Analyzed: 03/25/2021									
Perfluorobutanesulfonic acid (PFBS)	61.0	2.00	ng/L	70.8		86.2	50-130				
Perfluorohexanoic acid (PFHxA)	69.3	2.00	"	80.0		86.7	50-130				
Perfluoroheptanoic acid (PFHpA)	72.3	2.00	"	80.0		90.4	50-130				
Perfluorohexanesulfonic acid (PFHxS)	63.6	2.00	"	73.0		87.2	50-130				
Perfluorooctanoic acid (PFOA)	64.2	2.00	"	80.0		80.2	50-130				
Perfluorooctanesulfonic acid (PFOS)	70.4	2.00	"	74.1		95.0	50-130				
Perfluorononanoic acid (PFNA)	65.0	2.00	"	80.0		81.2	50-130				
Perfluorodecanoic acid (PFDA)	72.1	2.00	"	80.0		90.1	50-130				
Perfluoroundecanoic acid (PFUnA)	72.2	2.00	"	80.0		90.3	50-130				
Perfluorododecanoic acid (PFDoA)	65.5	2.00	"	80.0		81.9	50-130				
Perfluorotridecanoic acid (PFTDA)	59.8	2.00	"	80.0		74.8	50-130				
Perfluorotetradecanoic acid (PFTA)	69.8	2.00	"	80.0		87.2	50-130				
N-MeFOSAA	80.5	2.00	"	80.0		101	50-130				
N-EtFOSAA	69.0	2.00	"	80.0		86.2	50-130				
Perfluoropentanoic acid (PFPeA)	71.7	2.00	"	80.0		89.6	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	69.8	2.00	"	80.0		87.2	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	69.2	2.00	"	76.0		91.1	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	68.4	2.00	"	77.2		88.6	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	64.2	5.00	"	76.0		84.5	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	73.5	2.00	"	76.8		95.8	50-130				
Perfluoro-n-butanoic acid (PFBA)	75.7	2.00	"	80.0		94.6	50-130				
Surrogate: M3PFBS	79.3		"	74.3		107	25-150				
Surrogate: M5PFHxA	84.9		"	80.0		106	25-150				
Surrogate: M4PFHpA	79.2		"	80.0		99.0	25-150				
Surrogate: M3PFHxS	79.0		"	75.7		104	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	91.4		"	80.0		114	25-150				
Surrogate: M6PFDA	79.1		"	80.0		98.8	25-150				
Surrogate: M7PFUdA	76.2		"	80.0		95.3	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	85.0		"	80.0		106	25-150				
Surrogate: M2PFTeDA	79.0		"	80.0		98.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	77.3		"	80.0		96.7	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	75.9		"	76.6		99.1	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	78.1		"	80.0		97.6	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	63.3		"	80.0		79.1	10-150				
Surrogate: d3-N-MeFOSAA	61.1		"	80.0		76.4	25-150				
Surrogate: d5-N-EtFOSAA	64.6		"	80.0		80.8	25-150				
Surrogate: M2-6:2 FTS	79.0		"	75.9		104	25-150				
Surrogate: M2-8:2 FTS	93.3		"	76.6		122	25-150				
Surrogate: M9PFNA	89.3		"	80.0		112	25-150				



PFAS Target compounds by LC/MS-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 BC11399 - SPE Ext-PFAS-EPA 537.1M											
LCS Dup (BC11399-BSD1)	LCS Dup		Prepared: 03/23/2021 Analyzed: 03/25/2021								
Perfluorobutanesulfonic acid (PFBS)	65.6	2.00	ng/L	70.8		92.6	50-130		7.21	30	
Perfluorohexanoic acid (PFHxA)	72.9	2.00	"	80.0		91.1	50-130		4.95	30	
Perfluoroheptanoic acid (PFHpA)	79.0	2.00	"	80.0		98.7	50-130		8.77	30	
Perfluorohexanesulfonic acid (PFHxS)	70.2	2.00	"	73.0		96.2	50-130		9.77	30	
Perfluorooctanoic acid (PFOA)	69.4	2.00	"	80.0		86.7	50-130		7.78	30	
Perfluorooctanesulfonic acid (PFOS)	73.7	2.00	"	74.1		99.5	50-130		4.57	30	
Perfluorononanoic acid (PFNA)	72.5	2.00	"	80.0		90.6	50-130		10.9	30	
Perfluorodecanoic acid (PFDA)	79.3	2.00	"	80.0		99.1	50-130		9.52	30	
Perfluoroundecanoic acid (PFUnA)	80.3	2.00	"	80.0		100	50-130		10.6	30	
Perfluorododecanoic acid (PFDoA)	72.1	2.00	"	80.0		90.2	50-130		9.57	30	
Perfluorotridecanoic acid (PFTriDA)	70.0	2.00	"	80.0		87.5	50-130		15.7	30	
Perfluorotetradecanoic acid (PFTA)	78.2	2.00	"	80.0		97.8	50-130		11.4	30	
N-MeFOSAA	71.2	2.00	"	80.0		88.9	50-130		12.3	30	
N-EtFOSAA	64.2	2.00	"	80.0		80.3	50-130		7.13	30	
Perfluoropentanoic acid (PFPeA)	79.1	2.00	"	80.0		98.9	50-130		9.79	30	
Perfluoro-1-octanesulfonamide (FOSA)	74.6	2.00	"	80.0		93.2	50-130		6.63	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	75.0	2.00	"	76.0		98.7	50-130		8.00	30	
Perfluoro-1-decanesulfonic acid (PFDS)	73.7	2.00	"	77.2		95.5	50-130		7.51	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	68.6	5.00	"	76.0		90.2	50-130		6.55	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	68.2	2.00	"	76.8		88.8	50-130		7.50	30	
Perfluoro-n-butanoic acid (PFBA)	83.7	2.00	"	80.0		105	50-130		10.0	30	
Surrogate: M3PFBS	75.9		"	74.3		102	25-150				
Surrogate: M5PFHxA	81.6		"	80.0		102	25-150				
Surrogate: M4PFHpA	76.0		"	80.0		95.0	25-150				
Surrogate: M3PFHxS	74.7		"	75.7		98.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	87.2		"	80.0		109	25-150				
Surrogate: M6PFDA	76.0		"	80.0		95.0	25-150				
Surrogate: M7PFUdA	69.6		"	80.0		87.0	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	75.5		"	80.0		94.4	25-150				
Surrogate: M2PFTeDA	72.7		"	80.0		90.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	72.9		"	80.0		91.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	72.7		"	76.6		95.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	73.7		"	80.0		92.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	55.4		"	80.0		69.3	10-150				
Surrogate: d3-N-MeFOSAA	66.4		"	80.0		83.1	25-150				
Surrogate: d5-N-EtFOSAA	62.0		"	80.0		77.5	25-150				
Surrogate: M2-6:2 FTS	76.0		"	75.9		100	25-150				
Surrogate: M2-8:2 FTS	97.4		"	76.6		127	25-150				
Surrogate: M9PFNA	83.0		"	80.0		104	25-150				



Organochlorine Pesticides by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level

Blank (BC11415-BLK1)	Blank		Prepared: 03/24/2021 Analyzed: 03/25/2021								
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.126		"	0.200		63.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.175		"	0.200		87.6	30-150				

LCS (BC11415-BS1)	LCS		Prepared: 03/24/2021 Analyzed: 03/25/2021								
4,4'-DDD	0.107	0.00400	ug/L	0.100		107	40-140				
4,4'-DDE	0.102	0.00400	"	0.100		102	40-140				
4,4'-DDT	0.104	0.00400	"	0.100		104	40-140				
Aldrin	0.0818	0.00400	"	0.100		81.8	40-140				
alpha-BHC	0.0860	0.00400	"	0.100		86.0	40-140				
alpha-Chlordane	0.0971	0.00400	"	0.100		97.1	40-140				
beta-BHC	0.0929	0.00400	"	0.100		92.9	40-140				
delta-BHC	0.0880	0.00400	"	0.100		88.0	40-140				
Dieldrin	0.0945	0.00200	"	0.100		94.5	40-140				
Endosulfan I	0.0955	0.00400	"	0.100		95.5	40-140				
Endosulfan II	0.0964	0.00400	"	0.100		96.4	40-140				
Endosulfan sulfate	0.100	0.00400	"	0.100		100	40-140				
Endrin	0.110	0.00400	"	0.100		110	40-140				
Endrin aldehyde	0.0936	0.0100	"	0.100		93.6	40-140				
Endrin ketone	0.111	0.0100	"	0.100		111	40-140				
gamma-BHC (Lindane)	0.0895	0.00400	"	0.100		89.5	40-140				
gamma-Chlordane	0.0951	0.0100	"	0.100		95.1	40-140				
Heptachlor	0.0849	0.00400	"	0.100		84.9	40-140				
Heptachlor epoxide	0.0911	0.00400	"	0.100		91.1	40-140				
Methoxychlor	0.119	0.00400	"	0.100		119	40-140				
Surrogate: Decachlorobiphenyl	0.155		"	0.200		77.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.160		"	0.200		80.2	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level											
LCS Dup (BC11415-BSD1)	LCS Dup		Prepared: 03/24/2021 Analyzed: 03/25/2021								
4,4'-DDD	0.0876	0.00400	ug/L	0.100		87.6	40-140		19.9	20	
4,4'-DDE	0.0841	0.00400	"	0.100		84.1	40-140		19.2	20	
4,4'-DDT	0.0885	0.00400	"	0.100		88.5	40-140		16.5	20	
Aldrin	0.0690	0.00400	"	0.100		69.0	40-140		16.9	20	
alpha-BHC	0.0711	0.00400	"	0.100		71.1	40-140		19.0	20	
alpha-Chlordane	0.0791	0.00400	"	0.100		79.1	40-140		20.4	20	Non-dir.
beta-BHC	0.0799	0.00400	"	0.100		79.9	40-140		15.0	20	
delta-BHC	0.0738	0.00400	"	0.100		73.8	40-140		17.5	20	
Dieldrin	0.0765	0.00200	"	0.100		76.5	40-140		21.0	20	Non-dir.
Endosulfan I	0.0771	0.00400	"	0.100		77.1	40-140		21.3	20	Non-dir.
Endosulfan II	0.0716	0.00400	"	0.100		71.6	40-140		29.5	20	Non-dir.
Endosulfan sulfate	0.0806	0.00400	"	0.100		80.6	40-140		21.8	20	Non-dir.
Endrin	0.0899	0.00400	"	0.100		89.9	40-140		20.0	20	
Endrin aldehyde	0.0789	0.0100	"	0.100		78.9	40-140		17.0	20	
Endrin ketone	0.0849	0.0100	"	0.100		84.9	40-140		26.3	20	Non-dir.
gamma-BHC (Lindane)	0.0729	0.00400	"	0.100		72.9	40-140		20.4	20	Non-dir.
gamma-Chlordane	0.0774	0.0100	"	0.100		77.4	40-140		20.5	20	Non-dir.
Heptachlor	0.0675	0.00400	"	0.100		67.5	40-140		22.9	20	Non-dir.
Heptachlor epoxide	0.0746	0.00400	"	0.100		74.6	40-140		19.8	20	
Methoxychlor	0.0952	0.00400	"	0.100		95.2	40-140		22.2	20	Non-dir.
Surrogate: Decachlorobiphenyl	0.0956		"	0.200		47.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.125		"	0.200		62.4	30-150				

Batch Y1C2307 - BL00027

Performance Mix (Y1C2307-F Performance Mix)											
Prepared & Analyzed: 03/22/2021											
4,4'-DDD	10.9		ng/mL	0.00			0-200				
4,4'-DDE	0.00		"	0.00			0-200				
4,4'-DDT	165		"	200		82.4	0-200				
Endrin	72.7		"	100		72.7	0-200				
Endrin aldehyde	1.12		"	0.00			0-200				
Endrin ketone	8.48		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - 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 Y1C2605 - BL00027

Performance Mix (Y1C2605-F Performance Mix

Prepared & Analyzed: 03/25/2021

4,4'-DDD	10.6		ng/mL	0.00			0-200				
4,4'-DDE	0.191		"	0.00			0-200				
4,4'-DDT	147		"	200		73.3	0-200				
Endrin	87.8		"	100		87.8	0-200				
Endrin aldehyde	1.58		"	0.00			0-200				
Endrin ketone	7.67		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level

Blank (BC11415-BLK2)		Blank		Prepared: 03/24/2021 Analyzed: 03/25/2021							
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1262	ND	0.0500	"								
Aroclor 1268	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.175		"	0.200		87.5	30-120				
Surrogate: Decachlorobiphenyl	0.108		"	0.200		54.0	30-120				
LCS (BC11415-BS2)		LCS		Prepared: 03/24/2021 Analyzed: 03/25/2021							
Aroclor 1016	1.02	0.0500	ug/L	1.00		102	40-120				
Aroclor 1260	0.962	0.0500	"	1.00		96.2	40-120				
Surrogate: Tetrachloro-m-xylene	0.190		"	0.200		95.0	30-120				
Surrogate: Decachlorobiphenyl	0.0940		"	0.200		47.0	30-120				
LCS Dup (BC11415-BS2)		LCS Dup		Prepared: 03/24/2021 Analyzed: 03/25/2021							
Aroclor 1016	0.903	0.0500	ug/L	1.00		90.3	40-120		12.4	30	
Aroclor 1260	0.895	0.0500	"	1.00		89.5	40-120		7.17	30	
Surrogate: Tetrachloro-m-xylene	0.175		"	0.200		87.5	30-120				
Surrogate: Decachlorobiphenyl	0.0860		"	0.200		43.0	30-120				

Batch Y1C2445 - BC11415

Aroclor Reference (Y1C2445-)		Aroclor Reference		Prepared & Analyzed: 03/24/2021							
Surrogate: Tetrachloro-m-xylene	0.197		ug/mL	0.200		98.5					
Surrogate: Decachlorobiphenyl	0.163		"	0.200		81.5					



Chlorinated Herbicides by GC/ECD - 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 BC11413 - EPA 8151A											
Blank (BC11413-BLK1)	Blank							Prepared & Analyzed: 03/24/2021			
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>115</i>		<i>"</i>	<i>125</i>		<i>92.2</i>	<i>30-150</i>				
LCS (BC11413-BS1)	LCS							Prepared & Analyzed: 03/24/2021			
2,4,5-T	25.0	5.00	ug/L	40.0		62.5	10-140				
2,4,5-TP (Silvex)	30.2	5.00	"	40.0		75.6	10-139				
2,4-D	28.0	5.00	"	40.0		70.0	10-140				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>114</i>		<i>"</i>	<i>125</i>		<i>90.8</i>	<i>30-150</i>				
LCS Dup (BC11413-BSD1)	LCS Dup							Prepared & Analyzed: 03/24/2021			
2,4,5-T	25.5	5.00	ug/L	40.0		63.8	10-140		1.98	30	
2,4,5-TP (Silvex)	30.8	5.00	"	40.0		76.9	10-139		1.64	30	
2,4-D	28.2	5.00	"	40.0		70.6	10-140		0.889	30	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>112</i>		<i>"</i>	<i>125</i>		<i>89.4</i>	<i>30-150</i>				



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

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

Batch BC11436 - EPA 3015A

Blank (BC11436-BLK1)	Blank										Prepared: 03/24/2021 Analyzed: 03/25/2021
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.0932	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

LCS (BC11436-BS1)	LCS										Prepared: 03/24/2021 Analyzed: 03/25/2021
Aluminum	1.96		ug/mL	2.00		98.2	80-120				
Barium	1.99		"	2.00		99.3	80-120				
Calcium	1.03		"	1.00		103	80-120				
Chromium	0.194		"	0.200		97.1	80-120				
Cobalt	0.513		"	0.500		103	80-120				
Copper	0.245		"	0.250		98.1	80-120				
Iron	1.01		"	1.00		101	80-120				
Lead	0.510		"	0.500		102	80-120				
Magnesium	0.987		"	1.00		98.7	80-120				
Manganese	0.495		"	0.500		99.0	80-120				
Nickel	0.503		"	0.500		101	80-120				
Potassium	1.01		"	1.00		101	80-120				
Silver	0.0267		"	0.0500		53.5	80-120	Low Bias			
Sodium	0.859		"	1.00		85.9	80-120				
Vanadium	0.476		"	0.500		95.2	80-120				
Zinc	0.489		"	0.500		97.8	80-120				



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

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

Batch BC11436 - EPA 3015A

Duplicate (BC11436-DUP1)	Duplicate	*Source sample: 21C1116-08 (Duplicate)				Prepared: 03/24/2021 Analyzed: 03/25/2021					
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	ND	0.0278	"		ND					20	
Calcium	ND	0.0556	"		ND					20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	ND	0.278	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	ND	0.0556	"		ND					20	
Manganese	ND	0.00556	"		ND					20	
Nickel	ND	0.0111	"		ND					20	
Potassium	0.116	0.0556	"		0.0909				24.6	20	Non-dir.
Silver	ND	0.00556	"		ND					20	
Sodium	ND	0.556	"		ND					20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	

Matrix Spike (BC11436-MS1)	Matrix Spike	*Source sample: 21C1116-08 (Matrix Spike)				Prepared: 03/24/2021 Analyzed: 03/25/2021					
Aluminum	2.11	0.0556	mg/L	2.22	ND	94.8	75-125				
Barium	2.10	0.0278	"	2.22	ND	94.4	75-125				
Calcium	1.10	0.0556	"	1.11	ND	99.1	75-125				
Chromium	0.206	0.00556	"	0.222	ND	92.5	75-125				
Cobalt	0.535	0.00444	"	0.556	ND	96.3	75-125				
Copper	0.258	0.0222	"	0.278	ND	93.0	75-125				
Iron	1.08	0.278	"	1.11	ND	97.4	75-125				
Lead	0.528	0.00556	"	0.556	ND	95.1	75-125				
Magnesium	1.05	0.0556	"	1.11	ND	94.9	75-125				
Manganese	0.523	0.00556	"	0.556	ND	94.1	75-125				
Nickel	0.523	0.0111	"	0.556	ND	94.1	75-125				
Potassium	1.09	0.0556	"	1.11	0.0909	89.6	75-125				
Silver	0.0231	0.00556	"	0.0556	ND	41.6	75-125	Low Bias			
Sodium	1.01	0.556	"	1.11	ND	91.3	75-125				
Vanadium	0.505	0.0111	"	0.556	ND	90.8	75-125				
Zinc	0.508	0.0278	"	0.556	ND	91.5	75-125				



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

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

Batch BC11436 - EPA 3015A

Post Spike (BC11436-PS1)	Post Spike	*Source sample: 21C1116-08 (Post Spike)					Prepared: 03/24/2021 Analyzed: 03/25/2021				
Aluminum	2.09		ug/mL	2.00	0.0219	104	75-125				
Barium	2.13		"	2.00	0.000112	106	75-125				
Calcium	1.10		"	1.00	0.0396	106	75-125				
Chromium	0.209		"	0.200	0.00000349	105	75-125				
Cobalt	0.546		"	0.500	-0.000759	109	75-125				
Copper	0.264		"	0.250	-0.000185	105	75-125				
Iron	1.06		"	1.00	0.0133	104	75-125				
Lead	0.546		"	0.500	0.000460	109	75-125				
Magnesium	1.04		"	1.00	0.00390	103	75-125				
Manganese	0.530		"	0.500	0.0000946	106	75-125				
Nickel	0.536		"	0.500	-0.00865	107	75-125				
Potassium	1.13		"	1.00	0.0818	104	75-125				
Silver	0.0301		"	0.0500	0.000322	59.5	75-125	Low Bias			
Sodium	0.946		"	1.00	0.131	81.5	75-125				
Vanadium	0.513		"	0.500	-0.000258	103	75-125				
Zinc	0.522		"	0.500	0.00644	103	75-125				

Batch BC11522 - EPA 3015A

Blank (BC11522-BLK1)	Blank				Prepared & Analyzed: 03/25/2021						
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	0.126	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								



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

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

Batch BC11522 - EPA 3015A

LCS (BC11522-BS1)	LCS	Prepared & Analyzed: 03/25/2021									
Aluminum - Dissolved	1.88	ug/mL	2.00	94.0	80-120						
Barium - Dissolved	1.89	"	2.00	94.4	80-120						
Calcium - Dissolved	0.969	"	1.00	96.9	80-120						
Chromium - Dissolved	0.186	"	0.200	93.2	80-120						
Cobalt - Dissolved	0.489	"	0.500	97.7	80-120						
Copper - Dissolved	0.235	"	0.250	94.1	80-120						
Iron - Dissolved	0.949	"	1.00	94.9	80-120						
Lead - Dissolved	0.485	"	0.500	97.0	80-120						
Magnesium - Dissolved	0.942	"	1.00	94.2	80-120						
Manganese - Dissolved	0.473	"	0.500	94.5	80-120						
Nickel - Dissolved	0.478	"	0.500	95.5	80-120						
Potassium - Dissolved	0.996	"	1.00	99.6	80-120						
Silver - Dissolved	0.0272	"	0.0500	54.3	80-120	Low Bias					
Sodium - Dissolved	0.844	"	1.00	84.4	80-120						
Vanadium - Dissolved	0.455	"	0.500	91.0	80-120						
Zinc - Dissolved	0.463	"	0.500	92.7	80-120						

Duplicate (BC11522-DUP1)	Duplicate	*Source sample: 21C0975-04 (Duplicate) Prepared: 03/25/2021 Analyzed: 03/26/2021									
Aluminum - Dissolved	ND	0.0556	mg/L	ND							20
Barium - Dissolved	0.136	0.0278	"	0.135				0.966			20
Calcium - Dissolved	71.1	0.0556	"	71.1				0.00562			20
Chromium - Dissolved	ND	0.00556	"	ND							20
Cobalt - Dissolved	ND	0.00444	"	ND							20
Copper - Dissolved	ND	0.0222	"	ND							20
Iron - Dissolved	3.12	0.278	"	3.09				1.05			20
Lead - Dissolved	ND	0.00556	"	ND							20
Magnesium - Dissolved	125	0.0556	"	124				0.338			20
Manganese - Dissolved	0.729	0.00556	"	0.712				2.41			20
Nickel - Dissolved	ND	0.0111	"	ND							20
Potassium - Dissolved	53.6	0.0556	"	53.3				0.471			20
Silver - Dissolved	ND	0.00556	"	ND							20
Sodium - Dissolved	1240	0.556	"	1210				2.45			20
Vanadium - Dissolved	ND	0.0111	"	ND							20
Zinc - Dissolved	ND	0.0278	"	ND							20



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

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

Batch BC11522 - EPA 3015A

Matrix Spike (BC11522-MS1)	Matrix Spike	*Source sample: 21C0975-04 (Matrix Spike)						Prepared: 03/25/2021 Analyzed: 03/26/2021			
Barium - Dissolved	2.29	0.0278	mg/L	2.22	0.135	97.1	75-125				
Chromium - Dissolved	0.219	0.00556	"	0.222	ND	98.4	75-125				
Cobalt - Dissolved	0.555	0.00444	"	0.556	ND	99.9	75-125				
Copper - Dissolved	0.307	0.0222	"	0.278	ND	110	75-125				
Iron - Dissolved	4.21	0.278	"	1.11	3.09	100	75-125				
Lead - Dissolved	0.540	0.00556	"	0.556	ND	97.2	75-125				
Manganese - Dissolved	1.24	0.00556	"	0.556	0.712	95.3	75-125				
Nickel - Dissolved	0.583	0.0111	"	0.556	ND	105	75-125				
Silver - Dissolved	0.0296	0.00556	"	0.0556	ND	53.2	75-125	Low Bias			
Vanadium - Dissolved	0.542	0.0111	"	0.556	ND	97.6	75-125				
Zinc - Dissolved	0.578	0.0278	"	0.556	ND	104	75-125				

Post Spike (BC11522-PS1)	Post Spike	*Source sample: 21C0975-04 (Post Spike)						Prepared: 03/25/2021 Analyzed: 03/26/2021			
Aluminum - Dissolved	2.09		ug/mL	2.00	0.0179	103	75-125				
Barium - Dissolved	2.27		"	2.00	0.121	107	75-125				
Calcium - Dissolved	64.7		"	1.00	64.0	66.0	75-125	Low Bias			
Chromium - Dissolved	0.218		"	0.200	0.00267	107	75-125				
Cobalt - Dissolved	0.545		"	0.500	-0.00131	109	75-125				
Copper - Dissolved	0.305		"	0.250	0.0102	118	75-125				
Iron - Dissolved	3.87		"	1.00	2.78	109	75-125				
Lead - Dissolved	0.530		"	0.500	0.00144	106	75-125				
Magnesium - Dissolved	112		"	1.00	112	46.6	75-125	Low Bias			
Manganese - Dissolved	1.18		"	0.500	0.641	108	75-125				
Nickel - Dissolved	0.573		"	0.500	-0.00251	115	75-125				
Potassium - Dissolved	49.1		"	1.00	48.0	110	75-125				
Silver - Dissolved	0.0222		"	0.0500	-0.0000184	44.4	75-125	Low Bias			
Sodium - Dissolved	1100		"	1.00	1090	NR	75-125	High Bias			
Vanadium - Dissolved	0.540		"	0.500	-0.000469	108	75-125				
Zinc - Dissolved	0.565		"	0.500	0.0180	109	75-125				



Metals by ICP/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 BC11438 - EPA 3015A											
Blank (BC11438-BLK1)	Blank							Prepared: 03/24/2021 Analyzed: 03/25/2021			
Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								
LCS (BC11438-BS1)	LCS							Prepared: 03/24/2021 Analyzed: 03/25/2021			
Antimony	43.9		ug/L	50.0		87.8	80-120				
Arsenic	49.9		"	50.0		99.7	80-120				
Beryllium	50.5		"	50.0		101	80-120				
Cadmium	46.5		"	50.0		92.9	80-120				
Selenium	49.9		"	50.0		99.9	80-120				
Thallium	52.2		"	50.0		104	80-120				
Duplicate (BC11438-DUP1)	Duplicate	*Source sample: 21C1116-08 (Duplicate)							Prepared: 03/24/2021 Analyzed: 03/25/2021		
Antimony	ND	1.11	ug/L		ND					20	
Arsenic	ND	1.11	"		ND					20	
Beryllium	ND	0.333	"		ND					20	
Cadmium	ND	0.556	"		ND					20	
Selenium	ND	1.11	"		ND					20	
Thallium	ND	1.11	"		ND					20	
Matrix Spike (BC11438-MS1)	Matrix Spike	*Source sample: 21C1116-08 (Matrix Spike)							Prepared: 03/24/2021 Analyzed: 03/25/2021		
Antimony	34.7		ug/L	50.0	0.0006	69.3	75-125	Low Bias			
Arsenic	48.9		"	50.0	-0.029	97.8	75-125				
Beryllium	42.9		"	50.0	0.001	85.8	75-125				
Cadmium	38.2		"	50.0	-0.005	76.3	75-125				
Selenium	48.5		"	50.0	0.083	96.8	75-125				
Thallium	55.8		"	50.0	0.004	112	75-125				



Metals by ICP/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 BC11525 - EPA 3015A											
Blank (BC11525-BLK1)	Blank							Prepared & Analyzed: 03/25/2021			
Antimony - Dissolved	ND	1.11	ug/L								
Arsenic - Dissolved	ND	1.11	"								
Beryllium - Dissolved	ND	0.333	"								
Cadmium - Dissolved	ND	0.556	"								
Selenium - Dissolved	ND	1.11	"								
Thallium - Dissolved	ND	1.11	"								
LCS (BC11525-BS1)	LCS							Prepared & Analyzed: 03/25/2021			
Antimony - Dissolved	37.4		ug/L	50.0		74.8	80-120	Low Bias			
Arsenic - Dissolved	49.7		"	50.0		99.4	80-120				
Beryllium - Dissolved	44.3		"	50.0		88.6	80-120				
Cadmium - Dissolved	40.8		"	50.0		81.7	80-120				
Selenium - Dissolved	48.6		"	50.0		97.2	80-120				
Thallium - Dissolved	56.3		"	50.0		113	80-120				
Duplicate (BC11525-DUP1)	Duplicate	*Source sample: 21C0975-04 (Duplicate)							Prepared & Analyzed: 03/25/2021		
Antimony - Dissolved	ND	1.11	ug/L		ND					20	
Arsenic - Dissolved	25.5	1.11	"		26.2				2.62	20	
Beryllium - Dissolved	ND	0.333	"		ND					20	
Cadmium - Dissolved	ND	0.556	"		ND					20	
Selenium - Dissolved	2.07	1.11	"		2.03				1.83	20	
Thallium - Dissolved	ND	1.11	"		ND					20	
Matrix Spike (BC11525-MS1)	Matrix Spike	*Source sample: 21C0975-04 (Matrix Spike)							Prepared & Analyzed: 03/25/2021		
Antimony - Dissolved	27.7		ug/L	50.0	0.215	54.9	75-125	Low Bias			
Arsenic - Dissolved	73.5		"	50.0	23.6	99.8	75-125				
Beryllium - Dissolved	32.0		"	50.0	0.006	63.9	75-125	Low Bias			
Cadmium - Dissolved	41.3		"	50.0	0.030	82.6	75-125				
Selenium - Dissolved	57.7		"	50.0	1.83	112	75-125				
Thallium - Dissolved	35.9		"	50.0	0.012	71.8	75-125	Low Bias			



Mercury by EPA 7000/200 Series Methods - 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 BC11488 - EPA SW846-7470A

Blank (BC11488-BLK1)	Blank								Prepared & Analyzed: 03/24/2021		
Mercury	ND	0.0002	mg/L								
LCS (BC11488-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury	0.002311	0.0002	mg/L	0.00200		116	80-120				
LCS (BC11488-BS2)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury	0.002213	0.0002	mg/L	0.00200		111	80-120				

Batch BC11489 - EPA SW846-7470A

LCS (BC11489-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		104	80-120				
LCS (BC11489-BS2)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		104	80-120				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BC11146 - Analysis Preparation

Blank (BC11146-BLK1)	Blank								Prepared & Analyzed: 03/18/2021		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BC11146-BS1)	LCS								Prepared & Analyzed: 03/18/2021		
Chromium, Hexavalent	0.480	0.0100	mg/L	0.500		96.0	80-120				
Duplicate (BC11146-DUP1)	Duplicate	*Source sample: 21C0912-01 (Duplicate)							Prepared & Analyzed: 03/18/2021		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BC11146-MS1)	Matrix Spike	*Source sample: 21C0912-01 (Matrix Spike)							Prepared & Analyzed: 03/18/2021		
Chromium, Hexavalent	0.362	0.0100	mg/L	0.500	ND	72.4	75-125	Low Bias			

Batch BC11418 - Analysis Preparation

Blank (BC11418-BLK1)	Blank								Prepared & Analyzed: 03/24/2021		
Cyanide, total	ND	0.0100	mg/L								
LCS (BC11418-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Cyanide, total	0.182	0.0100	mg/L	0.200		91.0	76.2-107				
Duplicate (BC11418-DUP1)	Duplicate	*Source sample: 21C1116-08 (Duplicate)							Prepared & Analyzed: 03/24/2021		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BC11418-MS1)	Matrix Spike	*Source sample: 21C1116-08 (Matrix Spike)							Prepared & Analyzed: 03/24/2021		
Cyanide, total	0.164	0.0100	mg/L	0.200	ND	82.1	79-105				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0907-01	MW10_031821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0907-02	MW06_031821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0907-04	GW_FB02_031821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
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).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-CRL	The RL check for this element recovered outside of control limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-08	The recovery of this surrogate was outside of QC limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits

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.

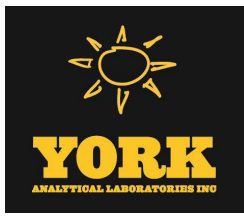
Field Chain-of-Custody Record

YORK Project No. 21C090

Page of

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

[illegible]



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 03/26/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0945



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 03/26/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0945

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 19, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0945-01	MW02_031821	Water	03/18/2021	03/19/2021
21C0945-02	TB03_031921	Water	03/19/2021	03/19/2021

General Notes for York Project (SDG) No.: 21C0945

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.

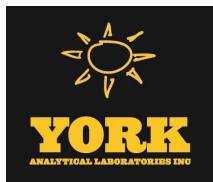
Approved By:



Benjamin Gulizia
Laboratory Director

Date: 03/26/2021





Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0945

170430001

Water

March 18, 2021 5:45 pm

03/19/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
95-63-6	1,2,4-Trimethylbenzene	2.13		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
108-67-8	1,3,5-Trimethylbenzene	0.210		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
78-93-3	2-Butanone	3.04	B	ug/L	0.200	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C0945

170430001

Water

March 18, 2021 5:45 pm

03/19/2021

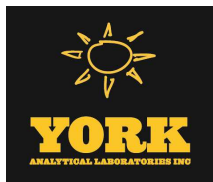
Volatiles, 8260 Comprehensive

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	0.270		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
108-10-1	4-Methyl-2-pentanone	0.220		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
67-64-1	Acetone	128		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
71-43-2	Benzene	0.770		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-15-0	Carbon disulfide	0.410		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
110-82-7	Cyclohexane	0.870		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0945

170430001

Water

March 18, 2021 5:45 pm

03/19/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
98-82-8	Isopropylbenzene	0.240		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
108-87-2	Methylcyclohexane	0.300		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-09-2	Methylene chloride	1.17		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
103-65-1	n-Propylbenzene	0.280		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
95-47-6	o-Xylene	0.390		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
179601-23-1	p- & m- Xylenes	0.540		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
99-87-6	p-Isopropyltoluene	2.54		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
108-88-3	Toluene	0.680		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 5:45 pm

Date Received
03/19/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 16:41	KHA
1330-20-7	Xylenes, Total	0.930		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/22/2021 06:47	03/22/2021 16:41	KHA
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	111 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	101 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	88.9 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 5:45 pm

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
100-52-7	Benzaldehyde	7.37		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
65-85-0	Benzoic acid	22.9		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 5:45 pm

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
122-39-4	Diphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
110-86-1	Pyridine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 16:57	CD
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	37.9 %	19.7-63.1								
4165-62-2	Surrogate: SURR: Phenol-d5	24.1 %	10.1-41.7								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	64.0 %	50.2-113								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.0 %	39.9-105								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	84.6 %	39.3-151								
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.0 %	30.7-106								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 5:45 pm

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.111		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
208-96-8	Acenaphthylene	0.878		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/24/2021 17:06	CD
56-55-3	Benzo(a)anthracene	0.211		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
117-81-7	Bis(2-ethylhexyl)phthalate	4.16		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/24/2021 17:06	CD
218-01-9	Chrysene	0.0556		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
86-73-7	Fluorene	0.178		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/24/2021 17:06	CD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/24/2021 17:06	CD
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/24/2021 17:06	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
91-20-3	Naphthalene	1.18		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/24/2021 17:06	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/24/2021 17:06	CD
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/24/2021 17:06	CD



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 5:45 pm

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.311		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:06	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/23/2021 07:05	03/23/2021 15:54	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %					36.6-118			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.55		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	37.5		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	15.6		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.75		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	80.5		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	33.1		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
375-95-1	* Perfluorononanoic acid (PFNA)	4.94		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

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March 18, 2021 5:45 pm

Date Received
03/19/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	3.04		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	45.5		ng/L	2.00	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 10:45	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		132 %	25-150							
Surrogate: M5PFHxA		99.0 %	25-150							
Surrogate: M4PFHpA		63.2 %	25-150							
Surrogate: M3PFHxS		101 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic acid		94.4 %	25-150							
Surrogate: M6PFDA		110 %	25-150							
Surrogate: M7PFUdA		106 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid		113 %	25-150							
Surrogate: M2PFTeDA		121 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic acid		12.2 %	PFSu-L	25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		120 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic acid		120 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid		14.5 %		10-150						
Surrogate: d3-N-MeFOSAA		157 %	PFSu-H	25-150						
Surrogate: d5-N-EtFOSAA		178 %	PFSu-H	25-150						
Surrogate: M2-6:2 FTS		503 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		528 %	PFSu-H	25-150						
Surrogate: M9PFNA		115 %	25-150							



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 5:45 pm

Date Received
03/19/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
309-00-2	Aldrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
319-84-6	alpha-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
319-85-7	beta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
319-86-8	delta-BHC	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
60-57-1	Dieldrin	ND		ug/L	0.00205	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
959-98-8	Endosulfan I	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
72-20-8	Endrin	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
76-44-8	Heptachlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
72-43-5	Methoxychlor	ND		ug/L	0.00410	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM
8001-35-2	Toxaphene	ND		ug/L	0.103	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:07	CM



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 5:45 pm

Date Received
03/19/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-74-9	* Chlordane, total	ND		ug/L	0.205	1	EPA 8081B Certifications:	03/24/2021 06:57	03/25/2021 13:07	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	40.7 %								
877-09-8	Surrogate: Tetrachloro-m-xylene	57.1 %								

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:43	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	03/24/2021 06:57	03/25/2021 04:43	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	67.5 %								
2051-24-3	Surrogate: Decachlorobiphenyl	18.0 %	S-GC							

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:58	BJ



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.

21C0945

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 18, 2021 5:45 pm

Date Received

03/19/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:58	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 18:58	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (. 77.4 %			30-150						

Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	1.63		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-39-3	Barium	0.0344		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-70-2	Calcium	67.0		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7439-95-4	Magnesium	0.508		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-09-7	Potassium	18.4	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-23-5	Sodium	86.9		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 18, 2021 5:45 pm

Date Received
03/19/2021

Metals, Target Analyte, ICP

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
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 09:57	03/25/2021 09:47	WJM

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

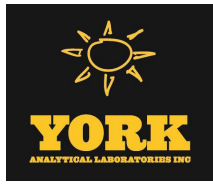
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	2.01		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-39-3	Barium	0.0386		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-70-2	Calcium	91.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7439-95-4	Magnesium	0.378		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7439-96-5	Manganese	0.00600		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-09-7	Potassium	19.6	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-23-5	Sodium	92.0		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:11	WJM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0945

170430001

Water

March 18, 2021 5:45 pm

03/19/2021

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:40	BML
7440-38-2	Arsenic	7.18		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:40	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:40	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:40	BML
7782-49-2	Selenium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:40	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 10:01	03/25/2021 13:40	BML

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:31	BML
7440-38-2	Arsenic	5.75		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:31	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:31	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:31	BML
7782-49-2	Selenium	1.62		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:31	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:31	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 20:20	03/24/2021 20:20	AA

Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 20:22	03/24/2021 20:22	AA



Sample Information

Client Sample ID: MW02_031821

York Sample ID: 21C0945-01

York Project (SDG) No.

21C0945

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 18, 2021 5:45 pm

Date Received

03/19/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2021 20:16	03/19/2021 20:30	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/25/2021 16:12	03/26/2021 12:24	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 08:35	03/24/2021 13:23	ALH



Sample Information

Client Sample ID: TB03_031921

York Sample ID: 21C0945-02

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:40 am

Date Received
03/19/2021

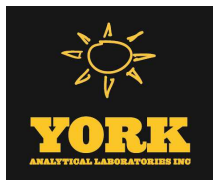
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
78-93-3	2-Butanone	0.320	B	ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD



Sample Information

Client Sample ID: TB03_031921

York Sample ID: 21C0945-02

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:40 am

Date Received
03/19/2021

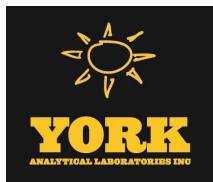
Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD



Sample Information

Client Sample ID: TB03_031921

York Sample ID: 21C0945-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0945

170430001

Water

March 19, 2021 9:40 am

03/19/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
95-47-6	o-Xylene	0.400		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 06:47	03/23/2021 13:02	MD



Sample Information

Client Sample ID: TB03_031921

York Sample ID: 21C0945-02

York Project (SDG) No.
21C0945

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:40 am

Date Received
03/19/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/23/2021 06:47	03/23/2021 13:02	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	0.880		ug/L	0.600	1.50	1	EPA 8260C	03/23/2021 06:47	03/23/2021 13:02	MD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
	Surrogate Recoveries	Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	82.5 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	97.1 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.1 %		79-122							



Analytical Batch Summary

Batch ID: BC11238 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/19/21
BC11238-BLK1	Blank	03/19/21
BC11238-BS1	LCS	03/19/21
BC11238-DUP1	Duplicate	03/19/21
BC11238-MS1	Matrix Spike	03/19/21

Batch ID: BC11281 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/22/21
BC11281-BLK1	Blank	03/22/21
BC11281-BS1	LCS	03/22/21
BC11281-BSD1	LCS Dup	03/22/21

Batch ID: BC11310 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/22/21
BC11310-BLK1	Blank	03/22/21
BC11310-BS1	LCS	03/22/21
BC11310-DUP1	Duplicate	03/22/21
BC11310-MS1	Matrix Spike	03/22/21

Batch ID: BC11315 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/23/21
BC11315-BLK1	Blank	03/23/21
BC11315-BS1	LCS	03/23/21
BC11315-MS1	Matrix Spike	03/23/21
BC11315-MSD1	Matrix Spike Dup	03/23/21

Batch ID: BC11316 **Preparation Method:** EPA 3510C **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/23/21
BC11316-BLK1	Blank	03/23/21
BC11316-BLK2	Blank	03/23/21
BC11316-BS1	LCS	03/23/21
BC11316-BS2	LCS	03/23/21
BC11316-BSD1	LCS Dup	03/23/21



Batch ID: BC11349

Preparation Method: EPA 5030B

Prepared By: MD

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-02	TB03_031921	03/23/21
BC11349-BLK1	Blank	03/23/21
BC11349-BS1	LCS	03/23/21
BC11349-BSD1	LCS Dup	03/23/21

Batch ID: BC11413

Preparation Method: EPA 8151A

Prepared By: RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/24/21
BC11413-BLK1	Blank	03/24/21
BC11413-BS1	LCS	03/24/21
BC11413-BSD1	LCS Dup	03/24/21

Batch ID: BC11415

Preparation Method: EPA SW846-3510C Low Level

Prepared By: RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/24/21
21C0945-01	MW02_031821	03/24/21
BC11415-BLK1	Blank	03/24/21
BC11415-BLK2	Blank	03/24/21
BC11415-BS1	LCS	03/24/21
BC11415-BS2	LCS	03/24/21
BC11415-BSD1	LCS Dup	03/24/21
BC11415-BSD2	LCS Dup	03/24/21

Batch ID: BC11418

Preparation Method: Analysis Preparation

Prepared By: ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/24/21
BC11418-BLK1	Blank	03/24/21
BC11418-BS1	LCS	03/24/21
BC11418-DUP1	Duplicate	03/24/21
BC11418-MS1	Matrix Spike	03/24/21

Batch ID: BC11436

Preparation Method: EPA 3015A

Prepared By: SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/24/21
BC11436-BLK1	Blank	03/24/21
BC11436-BS1	LCS	03/24/21
BC11436-DUP1	Duplicate	03/24/21
BC11436-MS1	Matrix Spike	03/24/21
BC11436-PS1	Post Spike	03/24/21



Batch ID: BC11438

Preparation Method: EPA 3015A

Prepared By: SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/24/21
BC11438-BLK1	Blank	03/24/21
BC11438-BS1	LCS	03/24/21
BC11438-DUP1	Duplicate	03/24/21
BC11438-MS1	Matrix Spike	03/24/21

Batch ID: BC11488

Preparation Method: EPA SW846-7470A

Prepared By: AA

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/24/21
BC11488-BLK1	Blank	03/24/21
BC11488-BS1	LCS	03/24/21
BC11488-BS2	LCS	03/24/21

Batch ID: BC11489

Preparation Method: EPA SW846-7470A

Prepared By: AA

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/24/21
BC11489-BS1	LCS	03/24/21
BC11489-BS2	LCS	03/24/21

Batch ID: BC11522

Preparation Method: EPA 3015A

Prepared By: SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/25/21
BC11522-BLK1	Blank	03/25/21
BC11522-BS1	LCS	03/25/21
BC11522-DUP1	Duplicate	03/25/21
BC11522-MS1	Matrix Spike	03/25/21
BC11522-PS1	Post Spike	03/25/21

Batch ID: BC11525

Preparation Method: EPA 3015A

Prepared By: SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/25/21
BC11525-BLK1	Blank	03/25/21
BC11525-BS1	LCS	03/25/21
BC11525-DUP1	Duplicate	03/25/21
BC11525-MS1	Matrix Spike	03/25/21

Batch ID: BC11563

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0945-01	MW02_031821	03/25/21

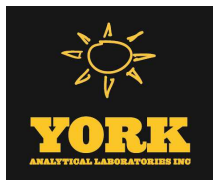




Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11281 - EPA 5030B											
Blank (BC11281-BLK1)	Blank										Prepared & Analyzed: 03/22/2021
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.780	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BC11281 - EPA 5030B

Blank (BC11281-BLK1)	Blank		Prepared & Analyzed: 03/22/2021								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>79-122</i>				

LCS (BC11281-BS1)	LCS		Prepared & Analyzed: 03/22/2021								
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		"	10.0		126	54-165				
1,1,2-Trichloroethane	10.9		"	10.0		109	82-123				
1,1-Dichloroethane	11.3		"	10.0		113	82-129				
1,1-Dichloroethylene	12.4		"	10.0		124	68-138				
1,2,3-Trichlorobenzene	8.57		"	10.0		85.7	76-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	9.86		"	10.0		98.6	76-137				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	10.8		"	10.0		108	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	11.3		"	10.0		113	73-132				
1,2-Dichloropropane	11.7		"	10.0		117	78-126				
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124				
1,4-Dioxane	244		"	210		116	10-349				
2-Butanone	10.6		"	10.0		106	49-152				
2-Hexanone	11.6		"	10.0		116	51-146				
4-Methyl-2-pentanone	11.5		"	10.0		115	57-145				
Acetone	11.0		"	10.0		110	14-150				
Acrolein	9.83		"	10.0		98.3	10-153				
Acrylonitrile	11.5		"	10.0		115	51-150				
Benzene	11.3		"	10.0		113	85-126				
Bromochloromethane	12.1		"	10.0		121	77-128				
Bromodichloromethane	11.1		"	10.0		111	79-128				



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 BC11281 - EPA 5030B											
LCS (BC11281-BS1)	LCS		Prepared & Analyzed: 03/22/2021								
Bromoform	9.83		ug/L	10.0		98.3	78-133				
Bromomethane	5.82		"	10.0		58.2	43-168				
Carbon disulfide	12.4		"	10.0		124	68-146				
Carbon tetrachloride	11.1		"	10.0		111	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	12.1		"	10.0		121	65-136				
Chloroform	11.1		"	10.0		111	82-128				
Chloromethane	9.88		"	10.0		98.8	43-155				
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131				
Cyclohexane	10.0		"	10.0		100	63-149				
Dibromochloromethane	10.9		"	10.0		109	80-130				
Dibromomethane	10.9		"	10.0		109	72-134				
Dichlorodifluoromethane	13.9		"	10.0		139	44-144				
Ethyl Benzene	11.8		"	10.0		118	80-131				
Hexachlorobutadiene	12.1		"	10.0		121	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl acetate	10.6		"	10.0		106	51-139				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135				
Methylcyclohexane	12.0		"	10.0		120	72-143				
Methylene chloride	12.2		"	10.0		122	55-137				
n-Butylbenzene	12.9		"	10.0		129	79-132				
n-Propylbenzene	11.3		"	10.0		113	78-133				
o-Xylene	11.7		"	10.0		117	78-130				
p- & m- Xylenes	23.8		"	20.0		119	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	11.7		"	10.0		117	67-132				
tert-Butyl alcohol (TBA)	52.1		"	50.0		104	25-162				
tert-Butylbenzene	9.43		"	10.0		94.3	77-138				
Tetrachloroethylene	10.6		"	10.0		106	82-131				
Toluene	11.4		"	10.0		114	80-127				
trans-1,2-Dichloroethylene	12.4		"	10.0		124	80-132				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	78-131				
Trichloroethylene	11.2		"	10.0		112	82-128				
Trichlorofluoromethane	12.6		"	10.0		126	67-139				
Vinyl Chloride	11.7		"	10.0		117	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.97		"	10.0		99.7	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 BC11281 - EPA 5030B											
LCS Dup (BC11281-BSI1)	LCS Dup		Prepared & Analyzed: 03/22/2021								
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		0.0927	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		3.59	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		0.937	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	54-165		2.56	30	
1,1,2-Trichloroethane	11.2		"	10.0		112	82-123		3.08	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		1.70	30	
1,1-Dichloroethylene	12.1		"	10.0		121	68-138		2.29	30	
1,2,3-Trichlorobenzene	8.95		"	10.0		89.5	76-136		4.34	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		0.0972	30	
1,2,4-Trichlorobenzene	9.99		"	10.0		99.9	76-137		1.31	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		4.21	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		3.90	30	
1,2-Dibromoethane	11.2		"	10.0		112	83-124		3.09	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		1.27	30	
1,2-Dichloroethane	11.5		"	10.0		115	73-132		2.46	30	
1,2-Dichloropropane	11.6		"	10.0		116	78-126		0.859	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		4.28	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		3.20	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124		2.63	30	
1,4-Dioxane	247		"	210		117	10-349		1.01	30	
2-Butanone	11.2		"	10.0		112	49-152		5.44	30	
2-Hexanone	12.2		"	10.0		122	51-146		5.37	30	
4-Methyl-2-pentanone	11.7		"	10.0		117	57-145		2.16	30	
Acetone	11.2		"	10.0		112	14-150		2.61	30	
Acrolein	10.1		"	10.0		101	10-153		2.31	30	
Acrylonitrile	11.9		"	10.0		119	51-150		3.58	30	
Benzene	11.1		"	10.0		111	85-126		1.43	30	
Bromochloromethane	12.2		"	10.0		122	77-128		0.0823	30	
Bromodichloromethane	11.1		"	10.0		111	79-128		0.270	30	
Bromoform	10.3		"	10.0		103	78-133		4.48	30	
Bromomethane	6.04		"	10.0		60.4	43-168		3.71	30	
Carbon disulfide	11.9		"	10.0		119	68-146		3.71	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		2.10	30	
Chlorobenzene	10.9		"	10.0		109	88-120		0.914	30	
Chloroethane	11.5		"	10.0		115	65-136		5.17	30	
Chloroform	11.0		"	10.0		110	82-128		1.09	30	
Chloromethane	9.28		"	10.0		92.8	43-155		6.26	30	
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129		1.47	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131		0.887	30	
Cyclohexane	9.84		"	10.0		98.4	63-149		2.11	30	
Dibromochloromethane	11.0		"	10.0		110	80-130		1.28	30	
Dibromomethane	11.1		"	10.0		111	72-134		1.72	30	
Dichlorodifluoromethane	13.1		"	10.0		131	44-144		6.08	30	
Ethyl Benzene	11.5		"	10.0		115	80-131		1.80	30	
Hexachlorobutadiene	12.8		"	10.0		128	67-146		5.47	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		5.67	30	
Methyl acetate	11.1		"	10.0		111	51-139		4.60	30	
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	76-135		2.37	30	
Methylcyclohexane	11.7		"	10.0		117	72-143		2.20	30	
Methylene chloride	12.1		"	10.0		121	55-137		0.576	30	
n-Butylbenzene	12.6		"	10.0		126	79-132		2.27	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11281 - EPA 5030B											
LCS Dup (BC11281-BSD1)	LCS Dup		Prepared & Analyzed: 03/22/2021								
n-Propylbenzene	10.7		ug/L	10.0		107	78-133		5.44	30	
o-Xylene	11.5		"	10.0		115	78-130		1.38	30	
p- & m- Xylenes	23.4		"	20.0		117	77-133		1.69	30	
p-Isopropyltoluene	11.2		"	10.0		112	81-136		4.01	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		4.05	30	
Styrene	11.7		"	10.0		117	67-132		0.684	30	
tert-Butyl alcohol (TBA)	53.0		"	50.0		106	25-162		1.64	30	
tert-Butylbenzene	9.03		"	10.0		90.3	77-138		4.33	30	
Tetrachloroethylene	10.4		"	10.0		104	82-131		2.01	30	
Toluene	11.1		"	10.0		111	80-127		2.66	30	
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132		3.29	30	
trans-1,3-Dichloropropylene	11.5		"	10.0		115	78-131		1.14	30	
Trichloroethylene	10.9		"	10.0		109	82-128		2.89	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		3.73	30	
Vinyl Chloride	11.3		"	10.0		113	58-145		4.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.64		"	10.0		96.4	79-122				

Batch BC11349 - EPA 5030B

Blank (BC11349-BLK1)	Blank		Prepared & Analyzed: 03/23/2021								
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.420	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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 BC11349 - EPA 5030B

Blank (BC11349-BLK1)	Blank	Prepared & Analyzed: 03/23/2021									
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.32		"	10.0		93.2	69-130				
Surrogate: SURRE: Toluene-d8	9.43		"	10.0		94.3	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.67		"	10.0		96.7	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 BC11349 - EPA 5030B											
LCS (BC11349-BS1)	LCS	Prepared & Analyzed: 03/23/2021									
1,1,1,2-Tetrachloroethane	9.90		ug/L	10.0		99.0	82-126				
1,1,1-Trichloroethane	10.8		"	10.0		108	78-136				
1,1,2,2-Tetrachloroethane	9.26		"	10.0		92.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	13.3		"	10.0		133	54-165				
1,1,2-Trichloroethane	9.10		"	10.0		91.0	82-123				
1,1-Dichloroethane	11.0		"	10.0		110	82-129				
1,1-Dichloroethylene	11.6		"	10.0		116	68-138				
1,2,3-Trichlorobenzene	9.20		"	10.0		92.0	76-136				
1,2,3-Trichloropropane	9.46		"	10.0		94.6	77-128				
1,2,4-Trichlorobenzene	9.99		"	10.0		99.9	76-137				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	8.54		"	10.0		85.4	45-147				
1,2-Dibromoethane	9.49		"	10.0		94.9	83-124				
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123				
1,2-Dichloroethane	10.1		"	10.0		101	73-132				
1,2-Dichloropropane	10.2		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,4-Dichlorobenzene	9.92		"	10.0		99.2	85-124				
1,4-Dioxane	128		"	210		61.1	10-349				
2-Butanone	8.32		"	10.0		83.2	49-152				
2-Hexanone	7.04		"	10.0		70.4	51-146				
4-Methyl-2-pentanone	7.68		"	10.0		76.8	57-145				
Acetone	11.2		"	10.0		112	14-150				
Acrolein	9.65		"	10.0		96.5	10-153				
Acrylonitrile	10.6		"	10.0		106	51-150				
Benzene	11.5		"	10.0		115	85-126				
Bromochloromethane	10.8		"	10.0		108	77-128				
Bromodichloromethane	9.48		"	10.0		94.8	79-128				
Bromoform	9.03		"	10.0		90.3	78-133				
Bromomethane	11.0		"	10.0		110	43-168				
Carbon disulfide	12.7		"	10.0		127	68-146				
Carbon tetrachloride	10.9		"	10.0		109	77-141				
Chlorobenzene	10.3		"	10.0		103	88-120				
Chloroethane	12.4		"	10.0		124	65-136				
Chloroform	11.0		"	10.0		110	82-128				
Chloromethane	17.5		"	10.0		175	43-155	High Bias			
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	8.65		"	10.0		86.5	80-131				
Cyclohexane	9.87		"	10.0		98.7	63-149				
Dibromochloromethane	9.29		"	10.0		92.9	80-130				
Dibromomethane	9.26		"	10.0		92.6	72-134				
Dichlorodifluoromethane	19.2		"	10.0		192	44-144	High Bias			
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	10.5		"	10.0		105	67-146				
Isopropylbenzene	10.5		"	10.0		105	76-140				
Methyl acetate	7.00		"	10.0		70.0	51-139				
Methyl tert-butyl ether (MTBE)	9.64		"	10.0		96.4	76-135				
Methylcyclohexane	10.9		"	10.0		109	72-143				
Methylene chloride	11.1		"	10.0		111	55-137				
n-Butylbenzene	10.4		"	10.0		104	79-132				



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 BC11349 - EPA 5030B											
LCS (BC11349-BS1)	LCS		Prepared & Analyzed: 03/23/2021								
n-Propylbenzene	10.5		ug/L	10.0		105	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	21.6		"	20.0		108	77-133				
p-Isopropyltoluene	10.7		"	10.0		107	81-136				
sec-Butylbenzene	11.0		"	10.0		110	79-137				
Styrene	10.4		"	10.0		104	67-132				
tert-Butyl alcohol (TBA)	30.2		"	50.0		60.4	25-162				
tert-Butylbenzene	8.86		"	10.0		88.6	77-138				
Tetrachloroethylene	9.88		"	10.0		98.8	82-131				
Toluene	10.3		"	10.0		103	80-127				
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132				
trans-1,3-Dichloropropylene	8.29		"	10.0		82.9	78-131				
Trichloroethylene	10.2		"	10.0		102	82-128				
Trichlorofluoromethane	12.7		"	10.0		127	67-139				
Vinyl Chloride	13.6		"	10.0		136	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	8.53		"	10.0		85.3	69-130				
Surrogate: SURR: Toluene-d8	9.67		"	10.0		96.7	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.77		"	10.0		97.7	79-122				
LCS Dup (BC11349-BSD1)	LCS Dup		Prepared & Analyzed: 03/23/2021								
1,1,1,2-Tetrachloroethane	9.78		ug/L	10.0		97.8	82-126		1.22	30	
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136		5.94	30	
1,1,2,2-Tetrachloroethane	9.58		"	10.0		95.8	76-129		3.40	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		"	10.0		126	54-165		6.10	30	
1,1,2-Trichloroethane	9.69		"	10.0		96.9	82-123		6.28	30	
1,1-Dichloroethane	10.4		"	10.0		104	82-129		6.00	30	
1,1-Dichloroethylene	11.0		"	10.0		110	68-138		5.14	30	
1,2,3-Trichlorobenzene	9.44		"	10.0		94.4	76-136		2.58	30	
1,2,3-Trichloropropane	9.70		"	10.0		97.0	77-128		2.51	30	
1,2,4-Trichlorobenzene	9.83		"	10.0		98.3	76-137		1.61	30	
1,2,4-Trimethylbenzene	9.52		"	10.0		95.2	82-132		9.31	30	
1,2-Dibromo-3-chloropropane	8.78		"	10.0		87.8	45-147		2.77	30	
1,2-Dibromoethane	9.81		"	10.0		98.1	83-124		3.32	30	
1,2-Dichlorobenzene	9.63		"	10.0		96.3	79-123		4.27	30	
1,2-Dichloroethane	10.5		"	10.0		105	73-132		4.07	30	
1,2-Dichloropropane	9.89		"	10.0		98.9	78-126		2.59	30	
1,3,5-Trimethylbenzene	9.62		"	10.0		96.2	80-131		8.65	30	
1,3-Dichlorobenzene	9.37		"	10.0		93.7	86-122		7.10	30	
1,4-Dichlorobenzene	9.31		"	10.0		93.1	85-124		6.34	30	
1,4-Dioxane	160		"	210		76.1	10-349		21.9	30	
2-Butanone	9.38		"	10.0		93.8	49-152		12.0	30	
2-Hexanone	8.45		"	10.0		84.5	51-146		18.2	30	
4-Methyl-2-pentanone	8.71		"	10.0		87.1	57-145		12.6	30	
Acetone	12.8		"	10.0		128	14-150		13.5	30	
Acrolein	10.3		"	10.0		103	10-153		6.71	30	
Acrylonitrile	11.9		"	10.0		119	51-150		12.3	30	
Benzene	11.0		"	10.0		110	85-126		3.82	30	
Bromochloromethane	11.0		"	10.0		110	77-128		2.02	30	
Bromodichloromethane	9.36		"	10.0		93.6	79-128		1.27	30	
Bromoform	9.69		"	10.0		96.9	78-133		7.05	30	
Bromomethane	10.7		"	10.0		107	43-168		3.41	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11349 - EPA 5030B											
LCS Dup (BC11349-BS01)	LCS Dup	Prepared & Analyzed: 03/23/2021									
Carbon disulfide	11.8		ug/L	10.0		118	68-146		7.20	30	
Carbon tetrachloride	10.1		"	10.0		101	77-141		7.41	30	
Chlorobenzene	9.93		"	10.0		99.3	88-120		3.37	30	
Chloroethane	11.8		"	10.0		118	65-136		5.13	30	
Chloroform	10.7		"	10.0		107	82-128		2.78	30	
Chloromethane	16.3		"	10.0		163	43-155	High Bias	7.22	30	
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		4.88	30	
cis-1,3-Dichloropropylene	8.58		"	10.0		85.8	80-131		0.813	30	
Cyclohexane	9.34		"	10.0		93.4	63-149		5.52	30	
Dibromochloromethane	9.62		"	10.0		96.2	80-130		3.49	30	
Dibromomethane	9.65		"	10.0		96.5	72-134		4.12	30	
Dichlorodifluoromethane	17.6		"	10.0		176	44-144	High Bias	8.81	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		6.10	30	
Hexachlorobutadiene	10.2		"	10.0		102	67-146		3.09	30	
Isopropylbenzene	9.41		"	10.0		94.1	76-140		10.6	30	
Methyl acetate	8.16		"	10.0		81.6	51-139		15.3	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		10.2	30	
Methylcyclohexane	10.2		"	10.0		102	72-143		6.46	30	
Methylene chloride	11.0		"	10.0		110	55-137		0.816	30	
n-Butylbenzene	9.35		"	10.0		93.5	79-132		10.2	30	
n-Propylbenzene	9.34		"	10.0		93.4	78-133		11.9	30	
o-Xylene	9.95		"	10.0		99.5	78-130		3.17	30	
p- & m- Xylenes	20.3		"	20.0		102	77-133		5.87	30	
p-Isopropyltoluene	9.65		"	10.0		96.5	81-136		10.3	30	
sec-Butylbenzene	9.95		"	10.0		99.5	79-137		10.1	30	
Styrene	10.1		"	10.0		101	67-132		2.44	30	
tert-Butyl alcohol (TBA)	42.0		"	50.0		84.0	25-162		32.8	30	Non-dir.
tert-Butylbenzene	8.17		"	10.0		81.7	77-138		8.10	30	
Tetrachloroethylene	9.22		"	10.0		92.2	82-131		6.91	30	
Toluene	9.72		"	10.0		97.2	80-127		6.08	30	
trans-1,2-Dichloroethylene	11.0		"	10.0		110	80-132		7.36	30	
trans-1,3-Dichloropropylene	8.58		"	10.0		85.8	78-131		3.44	30	
Trichloroethylene	9.54		"	10.0		95.4	82-128		6.78	30	
Trichlorofluoromethane	11.7		"	10.0		117	67-139		8.18	30	
Vinyl Chloride	12.6		"	10.0		126	58-145		7.77	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	8.99		"	10.0		89.9	69-130				
Surrogate: SURR: Toluene-d8	9.49		"	10.0		94.9	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.45		"	10.0		94.5	79-122				



Semivolatile 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 BC11316 - EPA 3510C											
Blank (BC11316-BLK1)	Blank										Prepared & Analyzed: 03/23/2021
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzdine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile 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 BC11316 - EPA 3510C

Blank (BC11316-BLK1)	Blank	Prepared & Analyzed: 03/23/2021									
Surrogate: SURR: 2-Fluorophenol	23.5		ug/L	50.0		46.9	19.7-63.1				
Surrogate: SURR: Phenol-d5	14.0		"	50.0		28.1	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	24.9		"	25.0		99.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	21.4		"	25.0		85.7	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	48.7		"	50.0		97.5	39.3-151				
Surrogate: SURR: Terphenyl-d14	28.2		"	25.0		113	30.7-106				

Blank (BC11316-BLK2)	Blank	Prepared: 03/23/2021 Analyzed: 03/24/2021									
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	5.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								



Semivolatile 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 BC11316 - EPA 3510C

Blank (BC11316-BLK2)	Blank		Prepared: 03/23/2021 Analyzed: 03/24/2021								
Bis(2-chloroethoxy)methane	ND	5.00	ug/L								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Pyridine	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC11316 - EPA 3510C											
LCS (BC11316-BS1)	LCS		Prepared & Analyzed: 03/23/2021								
1,1-Biphenyl	19.4	5.00	ug/L	25.0		77.4	33-95				
1,2,4,5-Tetrachlorobenzene	18.2	5.00	"	25.0		72.8	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	24.0	5.00	"	25.0		95.9	16-141				
2,3,4,6-Tetrachlorophenol	27.2	5.00	"	25.0		109	30-130				
2,4,5-Trichlorophenol	17.9	5.00	"	25.0		71.6	32-114				
2,4,6-Trichlorophenol	19.4	5.00	"	25.0		77.6	35-118				
2,4-Dichlorophenol	17.7	5.00	"	25.0		70.7	25-116				
2,4-Dimethylphenol	17.0	5.00	"	25.0		68.0	15-116				
2,4-Dinitrophenol	5.07	5.00	"	25.0		20.3	10-170				
2,4-Dinitrotoluene	19.0	5.00	"	25.0		76.0	41-128				
2,6-Dinitrotoluene	19.0	5.00	"	25.0		76.0	45-116				
2-Chloronaphthalene	16.6	5.00	"	25.0		66.2	33-112				
2-Chlorophenol	15.1	5.00	"	25.0		60.3	15-120				
2-Methylnaphthalene	18.8	5.00	"	25.0		75.3	24-118				
2-Methylphenol	14.8	5.00	"	25.0		59.4	10-110				
2-Nitroaniline	17.8	5.00	"	25.0		71.3	34-129				
2-Nitrophenol	19.6	5.00	"	25.0		78.3	28-118				
3- & 4-Methylphenols	11.8	5.00	"	25.0		47.1	10-107				
3,3-Dichlorobenzidine	18.4	5.00	"	25.0		73.7	15-187				
3-Nitroaniline	16.7	5.00	"	25.0		66.9	24-134				
4,6-Dinitro-2-methylphenol	18.4	5.00	"	25.0		73.5	10-153				
4-Bromophenyl phenyl ether	16.6	5.00	"	25.0		66.6	34-120				
4-Chloro-3-methylphenol	20.1	5.00	"	25.0		80.4	20-120				
4-Chloroaniline	11.3	5.00	"	25.0		45.2	10-147				
4-Chlorophenyl phenyl ether	16.6	5.00	"	25.0		66.6	27-121				
4-Nitroaniline	18.5	5.00	"	25.0		73.9	13-134				
4-Nitrophenol	15.8	5.00	"	25.0		63.0	10-131				
Acetophenone	18.9	5.00	"	25.0		75.6	25-110				
Aniline	13.2	5.00	"	25.0		52.8	10-117				
Benzaldehyde	17.3	5.00	"	25.0		69.2	29-117				
Benzoic acid	8.33	5.00	"	25.0		33.3	30-130				
Benzyl alcohol	16.3	5.00	"	25.0		65.0	10-117				
Benzyl butyl phthalate	21.6	5.00	"	25.0		86.2	29-133				
Bis(2-chloroethoxy)methane	18.6	5.00	"	25.0		74.5	10-154				
Bis(2-chloroethyl)ether	18.1	5.00	"	25.0		72.4	17-125				
Bis(2-chloroisopropyl)ether	19.0	5.00	"	25.0		76.0	10-139				
Caprolactam	4.99	5.00	"	25.0		20.0	10-137				
Carbazole	17.4	5.00	"	25.0		69.7	42-126				
Dibenzofuran	18.1	5.00	"	25.0		72.3	36-113				
Diethyl phthalate	19.1	5.00	"	25.0		76.4	38-115				
Dimethyl phthalate	17.8	5.00	"	25.0		71.2	38-129				
Di-n-butyl phthalate	18.8	5.00	"	25.0		75.3	31-120				
Di-n-octyl phthalate	21.7	5.00	"	25.0		86.8	21-149				
Diphenylamine	21.8	5.00	"	25.0		87.3	40-140				
Hexachlorocyclopentadiene	10.5	10.0	"	25.0		42.2	10-130				
Isophorone	20.2	5.00	"	25.0		80.7	25-127				
N-nitroso-di-n-propylamine	19.3	5.00	"	25.0		77.2	26-122				
N-Nitrosodiphenylamine	20.6	5.00	"	25.0		82.6	23-149				
Phenol	8.01	5.00	"	25.0		32.0	10-110				
Pyridine	10.6	5.00	"	25.2		41.9	10-90				
Surrogate: SURR: 2-Fluorophenol	24.1		"	50.0		48.1	19.7-63.1				



Semivolatile 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 BC11316 - EPA 3510C

LCS (BC11316-BS1)	LCS	Prepared & Analyzed: 03/23/2021									
Surrogate: SURR: Phenol-d5	14.7		ug/L	50.0		29.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	23.4		"	25.0		93.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.5		"	25.0		73.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	44.6		"	50.0		89.2	39.3-151				
Surrogate: SURR: Terphenyl-d14	24.2		"	25.0		96.7	30.7-106				

LCS (BC11316-BS2)	LCS	Prepared: 03/23/2021 Analyzed: 03/24/2021									
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.740	0.0500	"	1.00		74.0	25-116				
Acenaphthylene	0.770	0.0500	"	1.00		77.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.740	0.0500	"	1.00		74.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.800	0.0500	"	1.00		80.0	33-125				
Benzo(a)pyrene	0.730	0.0500	"	1.00		73.0	32-132				
Benzo(b)fluoranthene	0.830	0.0500	"	1.00		83.0	22-137				
Benzo(g,h,i)perylene	0.960	0.0500	"	1.00		96.0	10-138				
Benzo(k)fluoranthene	0.760	0.0500	"	1.00		76.0	20-137				
Benzoic acid	ND	5.00	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			



Semivolatile 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 BC11316 - EPA 3510C

LCS (BC11316-BS2)	LCS	Prepared: 03/23/2021 Analyzed: 03/24/2021									
Bis(2-ethylhexyl)phthalate	1.14	0.500	ug/L	1.00		114	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.810	0.0500	"	1.00		81.0	32-124				
Dibenzo(a,h)anthracene	0.900	0.0500	"	1.00		90.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Diphenylamine	ND	5.00	"	1.00			40-140	Low Bias			
Fluoranthene	0.790	0.0500	"	1.00		79.0	32-121				
Fluorene	0.790	0.0500	"	1.00		79.0	28-118				
Hexachlorobenzene	0.660	0.0200	"	1.00		66.0	23-124				
Hexachlorobutadiene	0.700	0.500	"	1.00		70.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.650	0.500	"	1.00		65.0	18-115				
Indeno(1,2,3-cd)pyrene	0.890	0.0500	"	1.00		89.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.730	0.0500	"	1.00		73.0	18-120				
Nitrobenzene	0.670	0.250	"	1.00		67.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	0.740	0.250	"	1.00		74.0	10-156				
Phenanthrene	0.780	0.0500	"	1.00		78.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.800	0.0500	"	1.00		80.0	31-132				
Pyridine	ND	5.00	"	1.00			10-90	Low Bias			
Surrogate: SURR: 2-Fluorophenol	0.00		"	50.0			19.7-63.1				
Surrogate: SURR: Phenol-d5	0.00		"	50.0			10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	25.0			50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	25.0			39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	50.0			39.3-151				
Surrogate: SURR: Terphenyl-d14	0.00		"	25.0			30.7-106				



Semivolatile 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 BC11316 - EPA 3510C											
LCS Dup (BC11316-BSD1)	LCS Dup		Prepared & Analyzed: 03/23/2021								
1,1-Biphenyl	19.2	5.00	ug/L	25.0		76.8	33-95		0.830	20	
1,2,4,5-Tetrachlorobenzene	17.0	5.00	"	25.0		68.1	26-120		6.65	20	
1,2-Diphenylhydrazine (as Azobenzene)	24.8	5.00	"	25.0		99.2	16-141		3.36	20	
2,3,4,6-Tetrachlorophenol	25.7	5.00	"	25.0		103	30-130		5.75	20	
2,4,5-Trichlorophenol	17.9	5.00	"	25.0		71.7	32-114		0.168	20	
2,4,6-Trichlorophenol	19.1	5.00	"	25.0		76.5	35-118		1.45	20	
2,4-Dichlorophenol	17.6	5.00	"	25.0		70.4	25-116		0.397	20	
2,4-Dimethylphenol	17.0	5.00	"	25.0		68.0	15-116		0.00	20	
2,4-Dinitrophenol	6.07	5.00	"	25.0		24.3	10-170		18.0	20	
2,4-Dinitrotoluene	18.8	5.00	"	25.0		75.4	41-128		0.740	20	
2,6-Dinitrotoluene	18.8	5.00	"	25.0		75.4	45-116		0.740	20	
2-Chloronaphthalene	15.5	5.00	"	25.0		62.0	33-112		6.49	20	
2-Chlorophenol	14.9	5.00	"	25.0		59.5	15-120		1.40	20	
2-Methylnaphthalene	17.6	5.00	"	25.0		70.4	24-118		6.64	20	
2-Methylphenol	14.1	5.00	"	25.0		56.4	10-110		5.25	20	
2-Nitroaniline	18.4	5.00	"	25.0		73.5	34-129		3.09	20	
2-Nitrophenol	18.0	5.00	"	25.0		71.9	28-118		8.52	20	
3- & 4-Methylphenols	11.4	5.00	"	25.0		45.8	10-107		2.84	20	
3,3-Dichlorobenzidine	18.6	5.00	"	25.0		74.2	15-187		0.703	20	
3-Nitroaniline	17.0	5.00	"	25.0		68.2	24-134		1.90	20	
4,6-Dinitro-2-methylphenol	19.2	5.00	"	25.0		76.6	10-153		4.16	20	
4-Bromophenyl phenyl ether	17.6	5.00	"	25.0		70.2	34-120		5.32	20	
4-Chloro-3-methylphenol	20.8	5.00	"	25.0		83.1	20-120		3.28	20	
4-Chloroaniline	11.2	5.00	"	25.0		45.0	10-147		0.443	20	
4-Chlorophenyl phenyl ether	16.1	5.00	"	25.0		64.4	27-121		3.42	20	
4-Nitroaniline	19.0	5.00	"	25.0		76.1	13-134		2.99	20	
4-Nitrophenol	15.7	5.00	"	25.0		62.9	10-131		0.191	20	
Acetophenone	18.9	5.00	"	25.0		75.4	25-110		0.212	20	
Aniline	9.81	5.00	"	25.0		39.2	10-117		29.5	20	Non-dir.
Benzaldehyde	16.4	5.00	"	25.0		65.5	29-117		5.41	20	
Benzoic acid	8.33	5.00	"	25.0		33.3	30-130		0.00	20	
Benzyl alcohol	15.5	5.00	"	25.0		61.9	10-117		4.98	20	
Benzyl butyl phthalate	22.3	5.00	"	25.0		89.1	29-133		3.28	20	
Bis(2-chloroethoxy)methane	17.5	5.00	"	25.0		70.1	10-154		6.14	20	
Bis(2-chloroethyl)ether	18.0	5.00	"	25.0		71.8	17-125		0.777	20	
Bis(2-chloroisopropyl)ether	18.3	5.00	"	25.0		73.3	10-139		3.59	20	
Caprolactam	5.29	5.00	"	25.0		21.2	10-137		5.84	20	
Carbazole	18.6	5.00	"	25.0		74.3	42-126		6.44	20	
Dibenzofuran	17.8	5.00	"	25.0		71.1	36-113		1.73	20	
Diethyl phthalate	19.2	5.00	"	25.0		76.8	38-115		0.627	20	
Dimethyl phthalate	17.8	5.00	"	25.0		71.1	38-129		0.169	20	
Di-n-butyl phthalate	19.5	5.00	"	25.0		78.2	31-120		3.70	20	
Di-n-octyl phthalate	22.9	5.00	"	25.0		91.6	21-149		5.38	20	
Diphenylamine	22.2	5.00	"	25.0		88.9	40-140		1.86	20	
Hexachlorocyclopentadiene	9.04	10.0	"	25.0		36.2	10-130		15.3	20	
Isophorone	20.0	5.00	"	25.0		80.0	25-127		0.846	20	
N-nitroso-di-n-propylamine	18.6	5.00	"	25.0		74.2	26-122		3.86	20	
N-Nitrosodiphenylamine	21.8	5.00	"	25.0		87.3	23-149		5.56	20	
Phenol	7.74	5.00	"	25.0		31.0	10-110		3.43	20	
Pyridine	9.71	5.00	"	25.2		38.5	10-90		8.48	20	
Surrogate: SURR: 2-Fluorophenol	22.5		"	50.0		44.9	19.7-63.1				



Semivolatile 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 BC11316 - EPA 3510C

LCS Dup (BC11316-BSD1) LCS Dup

Prepared & Analyzed: 03/23/2021

Surrogate: SURR: Phenol-d5	14.3		ug/L	50.0		28.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	22.0		"	25.0		88.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.8		"	25.0		71.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	46.8		"	50.0		93.7	39.3-151				
Surrogate: SURR: Terphenyl-d14	25.7		"	25.0		103	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC11315 - EPA 3535A											
Blank (BC11315-BLK1)	Blank		Prepared & Analyzed: 03/23/2021								
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	36.6-118				
LCS (BC11315-BS1)	LCS		Prepared & Analyzed: 03/23/2021								
1,4-Dioxane	4.80	0.300	ug/L	4.00		120	50-130				
Surrogate: 1,4-Dioxane-d8	3.20		"	4.00		80.0	36.6-118				
Matrix Spike (BC11315-MS1)	Matrix Spike	*Source sample: 21C1043-01 (Matrix Spike)					Prepared & Analyzed: 03/23/2021				
1,4-Dioxane	4.46	0.300	ug/L	4.00	ND	112	50-130				
Surrogate: 1,4-Dioxane-d8	2.72		"	4.00		68.0	50-130				
Matrix Spike Dup (BC11315-MS1-DUP)	Matrix Spike Dup	*Source sample: 21C1043-01 (Matrix Spike Dup)					Prepared & Analyzed: 03/23/2021				
1,4-Dioxane	4.67	0.300	ug/L	4.00	ND	117	50-130		4.55	30	
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	50-130				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M

Blank (BC11310-BLK1)		Blank		Prepared: 03/22/2021 Analyzed: 03/24/2021							
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	73.7		"	74.3		99.1	25-150				
Surrogate: M5PFHxA	77.4		"	80.0		96.8	25-150				
Surrogate: M4PFHpA	84.0		"	80.0		105	25-150				
Surrogate: M3PFHxS	72.4		"	75.7		95.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	81.2		"	80.0		102	25-150				
Surrogate: M6PFDA	78.9		"	80.0		98.6	25-150				
Surrogate: M7PFUdA	72.9		"	80.0		91.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	77.7		"	80.0		97.1	25-150				
Surrogate: M2PFTeDA	60.6		"	80.0		75.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	71.3		"	80.0		89.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.0		"	76.6		92.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.4		"	80.0		90.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.6		"	80.0		29.4	10-150				
Surrogate: d3-N-MeFOSAA	56.8		"	80.0		71.0	25-150				
Surrogate: d5-N-EtFOSAA	64.1		"	80.0		80.1	25-150				
Surrogate: M2-6:2 FTS	65.2		"	75.9		85.9	25-150				
Surrogate: M2-8:2 FTS	78.4		"	76.6		102	25-150				
Surrogate: M9PFNA	83.1		"	80.0		104	25-150				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M

LCS (BC11310-BS1)	LCS	Prepared: 03/22/2021 Analyzed: 03/24/2021									
Perfluorobutanesulfonic acid (PFBS)	65.4	2.00	ng/L	70.8		92.4	50-130				
Perfluorohexanoic acid (PFHxA)	73.5	2.00	"	80.0		91.9	50-130				
Perfluoroheptanoic acid (PFHpA)	71.3	2.00	"	80.0		89.2	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.3	2.00	"	73.0		81.3	50-130				
Perfluorooctanoic acid (PFOA)	74.7	2.00	"	80.0		93.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	73.5	2.00	"	74.1		99.3	50-130				
Perfluorononanoic acid (PFNA)	70.2	2.00	"	80.0		87.7	50-130				
Perfluorodecanoic acid (PFDA)	77.3	2.00	"	80.0		96.6	50-130				
Perfluoroundecanoic acid (PFUnA)	76.8	2.00	"	80.0		96.0	50-130				
Perfluorododecanoic acid (PFDoA)	75.9	2.00	"	80.0		94.9	50-130				
Perfluorotridecanoic acid (PFTDA)	58.3	2.00	"	80.0		72.9	50-130				
Perfluorotetradecanoic acid (PFTA)	77.4	2.00	"	80.0		96.8	50-130				
N-MeFOSAA	74.1	2.00	"	80.0		92.6	50-130				
N-EtFOSAA	70.5	2.00	"	80.0		88.1	50-130				
Perfluoropentanoic acid (PFPeA)	79.1	2.00	"	80.0		98.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.3	2.00	"	80.0		95.4	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.4	2.00	"	76.0		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	69.8	2.00	"	77.2		90.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	75.6	5.00	"	76.0		99.5	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	94.8	2.00	"	76.8		123	50-130				
Perfluoro-n-butanoic acid (PFBA)	80.8	2.00	"	80.0		101	50-130				
Surrogate: M3PFBS	76.4		"	74.3		103	25-150				
Surrogate: M5PFHxA	76.9		"	80.0		96.2	25-150				
Surrogate: M4PFHpA	82.8		"	80.0		104	25-150				
Surrogate: M3PFHxS	74.2		"	75.7		98.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	79.4		"	80.0		99.3	25-150				
Surrogate: M6PFDA	71.9		"	80.0		89.9	25-150				
Surrogate: M7PFUdA	67.9		"	80.0		84.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	75.6		"	80.0		94.4	25-150				
Surrogate: M2PFTeDA	61.0		"	80.0		76.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	72.0		"	80.0		90.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.2		"	76.6		93.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.4		"	80.0		90.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.4		"	80.0		28.0	10-150				
Surrogate: d3-N-MeFOSAA	51.4		"	80.0		64.3	25-150				
Surrogate: d5-N-EtFOSAA	53.4		"	80.0		66.7	25-150				
Surrogate: M2-6:2 FTS	73.4		"	75.9		96.7	25-150				
Surrogate: M2-8:2 FTS	70.3		"	76.6		91.7	25-150				
Surrogate: M9PFNA	78.3		"	80.0		97.9	25-150				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M											
Duplicate (BC11310-DUP1)	Duplicate	*Source sample: 21C0827-01 (Duplicate)						Prepared: 03/22/2021 Analyzed: 03/24/2021			
Perfluorobutanesulfonic acid (PFBS)	ND	0.880	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	0.880	"		1.51					30	
Perfluoroheptanoic acid (PFHpA)	ND	0.880	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	0.880	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	0.880	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	0.880	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	0.880	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	0.880	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	0.880	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	0.880	"		ND					30	
Perfluorotridecanoic acid (PFTriDA)	ND	0.880	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	0.880	"		ND					30	
N-MeFOSAA	ND	0.880	"		ND					30	
N-EtFOSAA	ND	0.880	"		ND					30	
Perfluoropentanoic acid (PFPeA)	0.958	0.880	"		1.56				47.6	30	Non-dir.
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.880	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.880	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.880	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	2.20	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.880	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	0.880	"		0.947					30	
<i>Surrogate: M3PFBS</i>	32.1		"	32.7		98.2	25-150				
<i>Surrogate: M5PFHxA</i>	34.9		"	35.2		99.2	25-150				
<i>Surrogate: M4PFHpA</i>	32.4		"	35.2		92.0	25-150				
<i>Surrogate: M3PFHxS</i>	38.7		"	33.3		116	25-150				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	32.1		"	35.2		91.1	25-150				
<i>Surrogate: M6PFDA</i>	21.3		"	35.2		60.4	25-150				
<i>Surrogate: M7PFUdA</i>	19.9		"	35.2		56.6	25-150				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	22.8		"	35.2		64.7	25-150				
<i>Surrogate: M2PFTeDA</i>	26.1		"	35.2		74.1	10-150				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	12.3		"	35.2		34.9	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	28.4		"	33.7		84.3	25-150				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	22.2		"	35.2		63.0	25-150				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	2.30		"	35.2		6.53	10-150				
<i>Surrogate: d3-N-MeFOSAA</i>	16.3		"	35.2		46.3	25-150				
<i>Surrogate: d5-N-EtFOSAA</i>	17.2		"	35.2		49.0	25-150				
<i>Surrogate: M2-6:2 FTS</i>	33.9		"	33.4		102	25-150				
<i>Surrogate: M2-8:2 FTS</i>	24.9		"	33.7		74.0	25-150				
<i>Surrogate: M9PFNA</i>	24.3		"	35.2		69.1	25-150				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC11310-MS1)	Matrix Spike	*Source sample: 21C0827-02 (Matrix Spike)						Prepared: 03/22/2021 Analyzed: 03/24/2021			
Perfluorobutanesulfonic acid (PFBS)	34.8	0.871	ng/L	30.8	1.20	109	25-150				
Perfluorohexanoic acid (PFHxA)	39.2	0.871	"	34.8	2.68	105	25-150				
Perfluoroheptanoic acid (PFHpA)	42.2	0.871	"	34.8	1.26	118	25-150				
Perfluorohexanesulfonic acid (PFHxS)	34.4	0.871	"	31.8	ND	108	25-150				
Perfluorooctanoic acid (PFOA)	40.4	0.871	"	34.8	5.05	101	25-150				
Perfluorooctanesulfonic acid (PFOS)	46.2	0.871	"	32.3	11.9	106	25-150				
Perfluorononanoic acid (PFNA)	35.8	0.871	"	34.8	ND	103	25-150				
Perfluorodecanoic acid (PFDA)	38.7	0.871	"	34.8	ND	111	25-150				
Perfluoroundecanoic acid (PFUnA)	38.1	0.871	"	34.8	ND	109	25-150				
Perfluorododecanoic acid (PFDoA)	38.0	0.871	"	34.8	ND	109	25-150				
Perfluorotridecanoic acid (PFTriDA)	36.9	0.871	"	34.8	ND	106	25-150				
Perfluorotetradecanoic acid (PFTA)	38.0	0.871	"	34.8	ND	109	25-150				
N-MeFOSAA	34.2	0.871	"	34.8	ND	98.0	25-150				
N-EtFOSAA	32.2	0.871	"	34.8	ND	92.5	25-150				
Perfluoropentanoic acid (PFPeA)	42.0	0.871	"	34.8	3.94	109	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	33.8	0.871	"	34.8	ND	97.0	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	40.5	0.871	"	33.1	ND	122	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	31.9	0.871	"	33.6	ND	95.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	34.4	2.18	"	33.1	ND	104	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	34.8	0.871	"	33.4	ND	104	25-150				
Perfluoro-n-butanoic acid (PFBA)	44.5	0.871	"	34.8	6.18	110	25-150				
<i>Surrogate: M3PFBS</i>	<i>35.0</i>		<i>"</i>	<i>32.4</i>		<i>108</i>	<i>25-150</i>				
<i>Surrogate: M5PFHxA</i>	<i>37.1</i>		<i>"</i>	<i>34.8</i>		<i>106</i>	<i>25-150</i>				
<i>Surrogate: M4PFHpA</i>	<i>31.6</i>		<i>"</i>	<i>34.8</i>		<i>90.7</i>	<i>25-150</i>				
<i>Surrogate: M3PFHxS</i>	<i>36.1</i>		<i>"</i>	<i>33.0</i>		<i>110</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	<i>34.1</i>		<i>"</i>	<i>34.8</i>		<i>97.9</i>	<i>25-150</i>				
<i>Surrogate: M6PFDA</i>	<i>21.1</i>		<i>"</i>	<i>34.8</i>		<i>60.6</i>	<i>25-150</i>				
<i>Surrogate: M7PFUdA</i>	<i>19.2</i>		<i>"</i>	<i>34.8</i>		<i>55.1</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	<i>19.6</i>		<i>"</i>	<i>34.8</i>		<i>56.2</i>	<i>25-150</i>				
<i>Surrogate: M2PFTeDA</i>	<i>21.5</i>		<i>"</i>	<i>34.8</i>		<i>61.7</i>	<i>10-150</i>				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	<i>23.7</i>		<i>"</i>	<i>34.8</i>		<i>68.0</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	<i>30.7</i>		<i>"</i>	<i>33.3</i>		<i>92.1</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	<i>32.3</i>		<i>"</i>	<i>34.8</i>		<i>92.8</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	<i>2.74</i>		<i>"</i>	<i>34.8</i>		<i>7.86</i>	<i>10-150</i>				
<i>Surrogate: d3-N-MeFOSAA</i>	<i>16.6</i>		<i>"</i>	<i>34.8</i>		<i>47.5</i>	<i>25-150</i>				
<i>Surrogate: d5-N-EtFOSAA</i>	<i>17.0</i>		<i>"</i>	<i>34.8</i>		<i>48.8</i>	<i>25-150</i>				
<i>Surrogate: M2-6:2 FTS</i>	<i>36.3</i>		<i>"</i>	<i>33.1</i>		<i>110</i>	<i>25-150</i>				
<i>Surrogate: M2-8:2 FTS</i>	<i>31.0</i>		<i>"</i>	<i>33.4</i>		<i>92.8</i>	<i>25-150</i>				
<i>Surrogate: M9PFNA</i>	<i>26.4</i>		<i>"</i>	<i>34.8</i>		<i>75.9</i>	<i>25-150</i>				



Organochlorine Pesticides by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level

Blank (BC11415-BLK1)	Blank		Prepared: 03/24/2021 Analyzed: 03/25/2021								
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.126		"	0.200		63.0	30-150				
Surrogate: Tetrachloro-m-xylene	0.175		"	0.200		87.6	30-150				

LCS (BC11415-BS1)	LCS		Prepared: 03/24/2021 Analyzed: 03/25/2021								
4,4'-DDD	0.107	0.00400	ug/L	0.100		107	40-140				
4,4'-DDE	0.102	0.00400	"	0.100		102	40-140				
4,4'-DDT	0.104	0.00400	"	0.100		104	40-140				
Aldrin	0.0818	0.00400	"	0.100		81.8	40-140				
alpha-BHC	0.0860	0.00400	"	0.100		86.0	40-140				
alpha-Chlordane	0.0971	0.00400	"	0.100		97.1	40-140				
beta-BHC	0.0929	0.00400	"	0.100		92.9	40-140				
delta-BHC	0.0880	0.00400	"	0.100		88.0	40-140				
Dieldrin	0.0945	0.00200	"	0.100		94.5	40-140				
Endosulfan I	0.0955	0.00400	"	0.100		95.5	40-140				
Endosulfan II	0.0964	0.00400	"	0.100		96.4	40-140				
Endosulfan sulfate	0.100	0.00400	"	0.100		100	40-140				
Endrin	0.110	0.00400	"	0.100		110	40-140				
Endrin aldehyde	0.0936	0.0100	"	0.100		93.6	40-140				
Endrin ketone	0.111	0.0100	"	0.100		111	40-140				
gamma-BHC (Lindane)	0.0895	0.00400	"	0.100		89.5	40-140				
gamma-Chlordane	0.0951	0.0100	"	0.100		95.1	40-140				
Heptachlor	0.0849	0.00400	"	0.100		84.9	40-140				
Heptachlor epoxide	0.0911	0.00400	"	0.100		91.1	40-140				
Methoxychlor	0.119	0.00400	"	0.100		119	40-140				
Surrogate: Decachlorobiphenyl	0.155		"	0.200		77.5	30-150				
Surrogate: Tetrachloro-m-xylene	0.160		"	0.200		80.2	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level

LCS Dup (BC11415-BSD1) LCS Dup		Prepared: 03/24/2021 Analyzed: 03/25/2021									
4,4'-DDD	0.0876	0.00400	ug/L	0.100		87.6	40-140		19.9	20	
4,4'-DDE	0.0841	0.00400	"	0.100		84.1	40-140		19.2	20	
4,4'-DDT	0.0885	0.00400	"	0.100		88.5	40-140		16.5	20	
Aldrin	0.0690	0.00400	"	0.100		69.0	40-140		16.9	20	
alpha-BHC	0.0711	0.00400	"	0.100		71.1	40-140		19.0	20	
alpha-Chlordane	0.0791	0.00400	"	0.100		79.1	40-140		20.4	20	Non-dir.
beta-BHC	0.0799	0.00400	"	0.100		79.9	40-140		15.0	20	
delta-BHC	0.0738	0.00400	"	0.100		73.8	40-140		17.5	20	
Dieldrin	0.0765	0.00200	"	0.100		76.5	40-140		21.0	20	Non-dir.
Endosulfan I	0.0771	0.00400	"	0.100		77.1	40-140		21.3	20	Non-dir.
Endosulfan II	0.0716	0.00400	"	0.100		71.6	40-140		29.5	20	Non-dir.
Endosulfan sulfate	0.0806	0.00400	"	0.100		80.6	40-140		21.8	20	Non-dir.
Endrin	0.0899	0.00400	"	0.100		89.9	40-140		20.0	20	
Endrin aldehyde	0.0789	0.0100	"	0.100		78.9	40-140		17.0	20	
Endrin ketone	0.0849	0.0100	"	0.100		84.9	40-140		26.3	20	Non-dir.
gamma-BHC (Lindane)	0.0729	0.00400	"	0.100		72.9	40-140		20.4	20	Non-dir.
gamma-Chlordane	0.0774	0.0100	"	0.100		77.4	40-140		20.5	20	Non-dir.
Heptachlor	0.0675	0.00400	"	0.100		67.5	40-140		22.9	20	Non-dir.
Heptachlor epoxide	0.0746	0.00400	"	0.100		74.6	40-140		19.8	20	
Methoxychlor	0.0952	0.00400	"	0.100		95.2	40-140		22.2	20	Non-dir.
Surrogate: Decachlorobiphenyl	0.0956		"	0.200		47.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.125		"	0.200		62.4	30-150				

Batch Y0L0501 - BL00027

Performance Mix (Y0L0501-P Performance Mix)		Prepared & Analyzed: 12/05/2020									
4,4'-DDD	4.16		ng/mL	0.00			0-200				
4,4'-DDE	1.04		"	0.00			0-200				
4,4'-DDT	182		"	200		91.2	0-200				
Endrin	97.9		"	100		97.9	0-200				
Endrin aldehyde	1.33		"	0.00			0-200				
Endrin ketone	2.35		"	0.00			0-200				



Organochlorine Pesticides by GC/ECD - 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 Y1C2307 - BL00027

Performance Mix (Y1C2307-F Performance Mix						Prepared & Analyzed: 03/22/2021					
4,4'-DDD	10.9		ng/mL	0.00			0-200				
4,4'-DDE	0.00		"	0.00			0-200				
4,4'-DDT	165		"	200		82.4	0-200				
Endrin	72.7		"	100		72.7	0-200				
Endrin aldehyde	1.12		"	0.00			0-200				
Endrin ketone	8.48		"	0.00			0-200				

Batch Y1C2605 - BL00027

Performance Mix (Y1C2605-F Performance Mix						Prepared & Analyzed: 03/25/2021					
4,4'-DDD	10.6		ng/mL	0.00			0-200				
4,4'-DDE	0.191		"	0.00			0-200				
4,4'-DDT	147		"	200		73.3	0-200				
Endrin	87.8		"	100		87.8	0-200				
Endrin aldehyde	1.58		"	0.00			0-200				
Endrin ketone	7.67		"	0.00			0-200				

Batch Y1C2609 - BC10491

Performance Mix (Y1C2609-F Performance Mix						Prepared & Analyzed: 03/25/2021					
4,4'-DDD	5.90		ng/mL	0.00			0-200				
4,4'-DDE	3.46		"	0.00			0-200				
4,4'-DDT	133		"	200		66.7	0-200				
Endrin	84.2		"	100		84.2	0-200				
Endrin aldehyde	0.363		"	0.00			0-200				
Endrin ketone	13.8		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level

Blank (BC11415-BLK2)		Blank		Prepared: 03/24/2021 Analyzed: 03/25/2021							
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1262	ND	0.0500	"								
Aroclor 1268	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	0.175		"	0.200		87.5	30-120				
Surrogate: Decachlorobiphenyl	0.108		"	0.200		54.0	30-120				
LCS (BC11415-BS2)		LCS		Prepared: 03/24/2021 Analyzed: 03/25/2021							
Aroclor 1016	1.02	0.0500	ug/L	1.00		102	40-120				
Aroclor 1260	0.962	0.0500	"	1.00		96.2	40-120				
Surrogate: Tetrachloro-m-xylene	0.190		"	0.200		95.0	30-120				
Surrogate: Decachlorobiphenyl	0.0940		"	0.200		47.0	30-120				
LCS Dup (BC11415-BS2)		LCS Dup		Prepared: 03/24/2021 Analyzed: 03/25/2021							
Aroclor 1016	0.903	0.0500	ug/L	1.00		90.3	40-120		12.4	30	
Aroclor 1260	0.895	0.0500	"	1.00		89.5	40-120		7.17	30	
Surrogate: Tetrachloro-m-xylene	0.175		"	0.200		87.5	30-120				
Surrogate: Decachlorobiphenyl	0.0860		"	0.200		43.0	30-120				

Batch Y1C2445 - BC11415

Aroclor Reference (Y1C2445-)		Aroclor Reference		Prepared & Analyzed: 03/24/2021							
Surrogate: Tetrachloro-m-xylene	0.197		ug/mL	0.200		98.5					
Surrogate: Decachlorobiphenyl	0.163		"	0.200		81.5					



Chlorinated Herbicides by GC/ECD - 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 BC11413 - EPA 8151A											
Blank (BC11413-BLK1)	Blank							Prepared & Analyzed: 03/24/2021			
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>115</i>		<i>"</i>	<i>125</i>		<i>92.2</i>	<i>30-150</i>				
LCS (BC11413-BS1)	LCS							Prepared & Analyzed: 03/24/2021			
2,4,5-T	25.0	5.00	ug/L	40.0		62.5	10-140				
2,4,5-TP (Silvex)	30.2	5.00	"	40.0		75.6	10-139				
2,4-D	28.0	5.00	"	40.0		70.0	10-140				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>114</i>		<i>"</i>	<i>125</i>		<i>90.8</i>	<i>30-150</i>				
LCS Dup (BC11413-BSD1)	LCS Dup							Prepared & Analyzed: 03/24/2021			
2,4,5-T	25.5	5.00	ug/L	40.0		63.8	10-140		1.98	30	
2,4,5-TP (Silvex)	30.8	5.00	"	40.0		76.9	10-139		1.64	30	
2,4-D	28.2	5.00	"	40.0		70.6	10-140		0.889	30	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>112</i>		<i>"</i>	<i>125</i>		<i>89.4</i>	<i>30-150</i>				



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

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

Batch BC11436 - EPA 3015A

Blank (BC11436-BLK1)	Blank										Prepared: 03/24/2021 Analyzed: 03/25/2021
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.0932	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

LCS (BC11436-BS1)	LCS										Prepared: 03/24/2021 Analyzed: 03/25/2021
Aluminum	1.96		ug/mL	2.00		98.2	80-120				
Barium	1.99		"	2.00		99.3	80-120				
Calcium	1.03		"	1.00		103	80-120				
Chromium	0.194		"	0.200		97.1	80-120				
Cobalt	0.513		"	0.500		103	80-120				
Copper	0.245		"	0.250		98.1	80-120				
Iron	1.01		"	1.00		101	80-120				
Lead	0.510		"	0.500		102	80-120				
Magnesium	0.987		"	1.00		98.7	80-120				
Manganese	0.495		"	0.500		99.0	80-120				
Nickel	0.503		"	0.500		101	80-120				
Potassium	1.01		"	1.00		101	80-120				
Silver	0.0267		"	0.0500		53.5	80-120	Low Bias			
Sodium	0.859		"	1.00		85.9	80-120				
Vanadium	0.476		"	0.500		95.2	80-120				
Zinc	0.489		"	0.500		97.8	80-120				



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

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

Batch BC11436 - EPA 3015A

Duplicate (BC11436-DUP1)	Duplicate	*Source sample: 21C1116-08 (Duplicate)				Prepared: 03/24/2021 Analyzed: 03/25/2021					
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	ND	0.0278	"		ND					20	
Calcium	ND	0.0556	"		ND					20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	ND	0.278	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	ND	0.0556	"		ND					20	
Manganese	ND	0.00556	"		ND					20	
Nickel	ND	0.0111	"		ND					20	
Potassium	0.116	0.0556	"		0.0909				24.6	20	Non-dir.
Silver	ND	0.00556	"		ND					20	
Sodium	ND	0.556	"		ND					20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0278	"		ND					20	

Matrix Spike (BC11436-MS1)	Matrix Spike	*Source sample: 21C1116-08 (Matrix Spike)				Prepared: 03/24/2021 Analyzed: 03/25/2021					
Aluminum	2.11	0.0556	mg/L	2.22	ND	94.8	75-125				
Barium	2.10	0.0278	"	2.22	ND	94.4	75-125				
Calcium	1.10	0.0556	"	1.11	ND	99.1	75-125				
Chromium	0.206	0.00556	"	0.222	ND	92.5	75-125				
Cobalt	0.535	0.00444	"	0.556	ND	96.3	75-125				
Copper	0.258	0.0222	"	0.278	ND	93.0	75-125				
Iron	1.08	0.278	"	1.11	ND	97.4	75-125				
Lead	0.528	0.00556	"	0.556	ND	95.1	75-125				
Magnesium	1.05	0.0556	"	1.11	ND	94.9	75-125				
Manganese	0.523	0.00556	"	0.556	ND	94.1	75-125				
Nickel	0.523	0.0111	"	0.556	ND	94.1	75-125				
Potassium	1.09	0.0556	"	1.11	0.0909	89.6	75-125				
Silver	0.0231	0.00556	"	0.0556	ND	41.6	75-125	Low Bias			
Sodium	1.01	0.556	"	1.11	ND	91.3	75-125				
Vanadium	0.505	0.0111	"	0.556	ND	90.8	75-125				
Zinc	0.508	0.0278	"	0.556	ND	91.5	75-125				



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

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

Batch BC11436 - EPA 3015A

Post Spike (BC11436-PS1)	Post Spike	*Source sample: 21C1116-08 (Post Spike)					Prepared: 03/24/2021 Analyzed: 03/25/2021				
Aluminum	2.09		ug/mL	2.00	0.0219	104	75-125				
Barium	2.13		"	2.00	0.000112	106	75-125				
Calcium	1.10		"	1.00	0.0396	106	75-125				
Chromium	0.209		"	0.200	0.00000349	105	75-125				
Cobalt	0.546		"	0.500	-0.000759	109	75-125				
Copper	0.264		"	0.250	-0.000185	105	75-125				
Iron	1.06		"	1.00	0.0133	104	75-125				
Lead	0.546		"	0.500	0.000460	109	75-125				
Magnesium	1.04		"	1.00	0.00390	103	75-125				
Manganese	0.530		"	0.500	0.0000946	106	75-125				
Nickel	0.536		"	0.500	-0.00865	107	75-125				
Potassium	1.13		"	1.00	0.0818	104	75-125				
Silver	0.0301		"	0.0500	0.000322	59.5	75-125	Low Bias			
Sodium	0.946		"	1.00	0.131	81.5	75-125				
Vanadium	0.513		"	0.500	-0.000258	103	75-125				
Zinc	0.522		"	0.500	0.00644	103	75-125				

Batch BC11522 - EPA 3015A

Blank (BC11522-BLK1)	Blank				Prepared & Analyzed: 03/25/2021						
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	0.126	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								



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

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

Batch BC11522 - EPA 3015A

LCS (BC11522-BS1)	LCS	Prepared & Analyzed: 03/25/2021									
Aluminum - Dissolved	1.88	ug/mL	2.00	94.0	80-120						
Barium - Dissolved	1.89	"	2.00	94.4	80-120						
Calcium - Dissolved	0.969	"	1.00	96.9	80-120						
Chromium - Dissolved	0.186	"	0.200	93.2	80-120						
Cobalt - Dissolved	0.489	"	0.500	97.7	80-120						
Copper - Dissolved	0.235	"	0.250	94.1	80-120						
Iron - Dissolved	0.949	"	1.00	94.9	80-120						
Lead - Dissolved	0.485	"	0.500	97.0	80-120						
Magnesium - Dissolved	0.942	"	1.00	94.2	80-120						
Manganese - Dissolved	0.473	"	0.500	94.5	80-120						
Nickel - Dissolved	0.478	"	0.500	95.5	80-120						
Potassium - Dissolved	0.996	"	1.00	99.6	80-120						
Silver - Dissolved	0.0272	"	0.0500	54.3	80-120	Low Bias					
Sodium - Dissolved	0.844	"	1.00	84.4	80-120						
Vanadium - Dissolved	0.455	"	0.500	91.0	80-120						
Zinc - Dissolved	0.463	"	0.500	92.7	80-120						

Duplicate (BC11522-DUP1)	Duplicate	*Source sample: 21C0975-04 (Duplicate) Prepared: 03/25/2021 Analyzed: 03/26/2021									
Aluminum - Dissolved	ND	0.0556	mg/L	ND							20
Barium - Dissolved	0.136	0.0278	"	0.135				0.966			20
Calcium - Dissolved	71.1	0.0556	"	71.1				0.00562			20
Chromium - Dissolved	ND	0.00556	"	ND							20
Cobalt - Dissolved	ND	0.00444	"	ND							20
Copper - Dissolved	ND	0.0222	"	ND							20
Iron - Dissolved	3.12	0.278	"	3.09				1.05			20
Lead - Dissolved	ND	0.00556	"	ND							20
Magnesium - Dissolved	125	0.0556	"	124				0.338			20
Manganese - Dissolved	0.729	0.00556	"	0.712				2.41			20
Nickel - Dissolved	ND	0.0111	"	ND							20
Potassium - Dissolved	53.6	0.0556	"	53.3				0.471			20
Silver - Dissolved	ND	0.00556	"	ND							20
Sodium - Dissolved	1240	0.556	"	1210				2.45			20
Vanadium - Dissolved	ND	0.0111	"	ND							20
Zinc - Dissolved	ND	0.0278	"	ND							20



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

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

Batch BC11522 - EPA 3015A

Matrix Spike (BC11522-MS1)	Matrix Spike	*Source sample: 21C0975-04 (Matrix Spike)						Prepared: 03/25/2021 Analyzed: 03/26/2021			
Barium - Dissolved	2.29	0.0278	mg/L	2.22	0.135	97.1	75-125				
Chromium - Dissolved	0.219	0.00556	"	0.222	ND	98.4	75-125				
Cobalt - Dissolved	0.555	0.00444	"	0.556	ND	99.9	75-125				
Copper - Dissolved	0.307	0.0222	"	0.278	ND	110	75-125				
Iron - Dissolved	4.21	0.278	"	1.11	3.09	100	75-125				
Lead - Dissolved	0.540	0.00556	"	0.556	ND	97.2	75-125				
Manganese - Dissolved	1.24	0.00556	"	0.556	0.712	95.3	75-125				
Nickel - Dissolved	0.583	0.0111	"	0.556	ND	105	75-125				
Silver - Dissolved	0.0296	0.00556	"	0.0556	ND	53.2	75-125	Low Bias			
Vanadium - Dissolved	0.542	0.0111	"	0.556	ND	97.6	75-125				
Zinc - Dissolved	0.578	0.0278	"	0.556	ND	104	75-125				

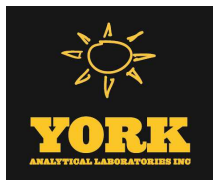
Post Spike (BC11522-PS1)	Post Spike	*Source sample: 21C0975-04 (Post Spike)						Prepared: 03/25/2021 Analyzed: 03/26/2021			
Aluminum - Dissolved	2.09		ug/mL	2.00	0.0179	103	75-125				
Barium - Dissolved	2.27		"	2.00	0.121	107	75-125				
Calcium - Dissolved	64.7		"	1.00	64.0	66.0	75-125	Low Bias			
Chromium - Dissolved	0.218		"	0.200	0.00267	107	75-125				
Cobalt - Dissolved	0.545		"	0.500	-0.00131	109	75-125				
Copper - Dissolved	0.305		"	0.250	0.0102	118	75-125				
Iron - Dissolved	3.87		"	1.00	2.78	109	75-125				
Lead - Dissolved	0.530		"	0.500	0.00144	106	75-125				
Magnesium - Dissolved	112		"	1.00	112	46.6	75-125	Low Bias			
Manganese - Dissolved	1.18		"	0.500	0.641	108	75-125				
Nickel - Dissolved	0.573		"	0.500	-0.00251	115	75-125				
Potassium - Dissolved	49.1		"	1.00	48.0	110	75-125				
Silver - Dissolved	0.0222		"	0.0500	-0.0000184	44.4	75-125	Low Bias			
Sodium - Dissolved	1100		"	1.00	1090	NR	75-125	High Bias			
Vanadium - Dissolved	0.540		"	0.500	-0.000469	108	75-125				
Zinc - Dissolved	0.565		"	0.500	0.0180	109	75-125				



Metals by ICP/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 BC11438 - EPA 3015A											
Blank (BC11438-BLK1)	Blank		Prepared: 03/24/2021 Analyzed: 03/25/2021								
Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								
LCS (BC11438-BS1)	LCS		Prepared: 03/24/2021 Analyzed: 03/25/2021								
Antimony	43.9		ug/L	50.0		87.8	80-120				
Arsenic	49.9		"	50.0		99.7	80-120				
Beryllium	50.5		"	50.0		101	80-120				
Cadmium	46.5		"	50.0		92.9	80-120				
Selenium	49.9		"	50.0		99.9	80-120				
Thallium	52.2		"	50.0		104	80-120				
Duplicate (BC11438-DUP1)	Duplicate	*Source sample: 21C1116-08 (Duplicate)		Prepared: 03/24/2021 Analyzed: 03/25/2021							
Antimony	ND	1.11	ug/L		ND					20	
Arsenic	ND	1.11	"		ND					20	
Beryllium	ND	0.333	"		ND					20	
Cadmium	ND	0.556	"		ND					20	
Selenium	ND	1.11	"		ND					20	
Thallium	ND	1.11	"		ND					20	
Matrix Spike (BC11438-MS1)	Matrix Spike	*Source sample: 21C1116-08 (Matrix Spike)		Prepared: 03/24/2021 Analyzed: 03/25/2021							
Antimony	34.7		ug/L	50.0	0.0006	69.3	75-125	Low Bias			
Arsenic	48.9		"	50.0	-0.029	97.8	75-125				
Beryllium	42.9		"	50.0	0.001	85.8	75-125				
Cadmium	38.2		"	50.0	-0.005	76.3	75-125				
Selenium	48.5		"	50.0	0.083	96.8	75-125				
Thallium	55.8		"	50.0	0.004	112	75-125				



Metals by ICP/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 BC11525 - EPA 3015A											
Blank (BC11525-BLK1)	Blank							Prepared & Analyzed: 03/25/2021			
Antimony - Dissolved	ND	1.11	ug/L								
Arsenic - Dissolved	ND	1.11	"								
Beryllium - Dissolved	ND	0.333	"								
Cadmium - Dissolved	ND	0.556	"								
Selenium - Dissolved	ND	1.11	"								
Thallium - Dissolved	ND	1.11	"								
LCS (BC11525-BS1)	LCS							Prepared & Analyzed: 03/25/2021			
Antimony - Dissolved	37.4		ug/L	50.0		74.8	80-120	Low Bias			
Arsenic - Dissolved	49.7		"	50.0		99.4	80-120				
Beryllium - Dissolved	44.3		"	50.0		88.6	80-120				
Cadmium - Dissolved	40.8		"	50.0		81.7	80-120				
Selenium - Dissolved	48.6		"	50.0		97.2	80-120				
Thallium - Dissolved	56.3		"	50.0		113	80-120				
Duplicate (BC11525-DUP1)	Duplicate	*Source sample: 21C0975-04 (Duplicate)							Prepared & Analyzed: 03/25/2021		
Antimony - Dissolved	ND	1.11	ug/L		ND					20	
Arsenic - Dissolved	25.5	1.11	"		26.2				2.62	20	
Beryllium - Dissolved	ND	0.333	"		ND					20	
Cadmium - Dissolved	ND	0.556	"		ND					20	
Selenium - Dissolved	2.07	1.11	"		2.03				1.83	20	
Thallium - Dissolved	ND	1.11	"		ND					20	
Matrix Spike (BC11525-MS1)	Matrix Spike	*Source sample: 21C0975-04 (Matrix Spike)							Prepared & Analyzed: 03/25/2021		
Antimony - Dissolved	27.7		ug/L	50.0	0.215	54.9	75-125	Low Bias			
Arsenic - Dissolved	73.5		"	50.0	23.6	99.8	75-125				
Beryllium - Dissolved	32.0		"	50.0	0.006	63.9	75-125	Low Bias			
Cadmium - Dissolved	41.3		"	50.0	0.030	82.6	75-125				
Selenium - Dissolved	57.7		"	50.0	1.83	112	75-125				
Thallium - Dissolved	35.9		"	50.0	0.012	71.8	75-125	Low Bias			



Mercury by EPA 7000/200 Series Methods - 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 BC11488 - EPA SW846-7470A

Blank (BC11488-BLK1)	Blank								Prepared & Analyzed: 03/24/2021		
Mercury	ND	0.0002	mg/L								
LCS (BC11488-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury	0.002311	0.0002	mg/L	0.00200		116	80-120				
LCS (BC11488-BS2)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury	0.002213	0.0002	mg/L	0.00200		111	80-120				

Batch BC11489 - EPA SW846-7470A

LCS (BC11489-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		104	80-120				
LCS (BC11489-BS2)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		104	80-120				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BC11238 - Analysis Preparation

Blank (BC11238-BLK1)	Blank								Prepared & Analyzed: 03/19/2021		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BC11238-BS1)	LCS								Prepared & Analyzed: 03/19/2021		
Chromium, Hexavalent	0.485	0.0100	mg/L	0.500		97.0	80-120				
Duplicate (BC11238-DUP1)	Duplicate	*Source sample: 21C0945-01 (MW02_031821)							Prepared & Analyzed: 03/19/2021		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BC11238-MS1)	Matrix Spike	*Source sample: 21C0945-01 (MW02_031821)							Prepared & Analyzed: 03/19/2021		
Chromium, Hexavalent	0.569	0.0100	mg/L	0.500	ND	114	75-125				

Batch BC11418 - Analysis Preparation

Blank (BC11418-BLK1)	Blank								Prepared & Analyzed: 03/24/2021		
Cyanide, total	ND	0.0100	mg/L								
LCS (BC11418-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Cyanide, total	0.182	0.0100	mg/L	0.200		91.0	76.2-107				
Duplicate (BC11418-DUP1)	Duplicate	*Source sample: 21C1116-08 (Duplicate)							Prepared & Analyzed: 03/24/2021		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BC11418-MS1)	Matrix Spike	*Source sample: 21C1116-08 (Matrix Spike)							Prepared & Analyzed: 03/24/2021		
Cyanide, total	0.164	0.0100	mg/L	0.200	ND	82.1	79-105				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0945-01	MW02_031821	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0945-02	TB03_031921	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
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).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
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.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-CRL	The RL check for this element recovered outside of control limits.
VOA-HDSP	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).-NON-COMPLIANT
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-08	The recovery of this surrogate was outside of QC limits.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits

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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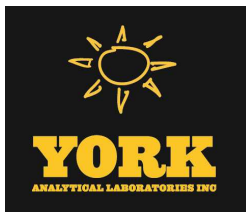
Field Chain-of-Custody Record

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

YORK Project No.

21C0945

Page 1 of 1[illegible]



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 12/02/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C0975

Revision No. 1.0



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 12/02/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C0975

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 19, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C0975-01	EC_FB08_031921	Water	03/19/2021	03/19/2021
21C0975-02	TB04_031921	Water	03/19/2021	03/19/2021
21C0975-03	MW04_031921	Water	03/19/2021	03/19/2021
21C0975-04	MW10D_031921	Water	03/19/2021	03/19/2021

General Notes for York Project (SDG) No.: 21C0975

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



Cassie L. Mosher
Laboratory Manager

Date: 12/02/2021





Sample Information

Client Sample ID: EC_FB08_031921

York Sample ID: 21C0975-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 10:05 am

03/19/2021

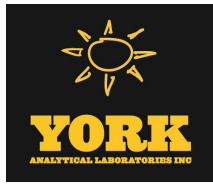
PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.70	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.88	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 03:57	WL



Sample Information

Client Sample ID: EC_FB08_031921

York Sample ID: 21C0975-01

York Project (SDG) No.

21C0975

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 19, 2021 10:05 am

Date Received

03/19/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.88	1	EPA 537m	03/22/2021 18:18	03/24/2021 03:57	WL
Certifications:										
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: M3PFBS		113 %	25-150							
Surrogate: M5PFHxA		104 %	25-150							
Surrogate: M4PFHpA		101 %	25-150							
Surrogate: M3PFHxS		102 %	25-150							
Surrogate: Perfluoro-n-[13C8]octanoic aci		97.5 %	25-150							
Surrogate: M6PFDA		86.2 %	25-150							
Surrogate: M7PFUdA		74.3 %	25-150							
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		63.3 %	25-150							
Surrogate: M2PFTeDA		34.1 %	10-150							
Surrogate: Perfluoro-n-[13C4]butanoic aci		104 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfoi		92.3 %	25-150							
Surrogate: Perfluoro-n-[13C5]pentanoic a		133 %	25-150							
Surrogate: Perfluoro-1-[13C8]octanesulfoi		34.2 %	10-150							
Surrogate: d3-N-MeFOSAA		51.6 %	25-150							
Surrogate: d5-N-EtFOSAA		44.0 %	25-150							
Surrogate: M2-6:2 FTS		94.7 %	25-150							
Surrogate: M2-8:2 FTS		85.6 %	25-150							
Surrogate: M9PFNA		93.0 %	25-150							



Sample Information

Client Sample ID: TB04_031921

York Sample ID: 21C0975-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 3:10 pm

03/19/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
78-93-3	2-Butanone	0.820	B	ug/L	0.200	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA



Sample Information

Client Sample ID: TB04_031921

York Sample ID: 21C0975-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 3:10 pm

03/19/2021

Volatiles, 8260 Comprehensive

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	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: TB04_031921

York Sample ID: 21C0975-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 3:10 pm

03/19/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-65-0	tert-Butyl alcohol (TBA)	2.07		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

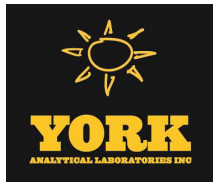
RICHMOND HILL, NY 11418

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ClientServices@yorklab.com



Sample Information

Client Sample ID: TB04_031921

York Sample ID: 21C0975-02

York Project (SDG) No.

21C0975

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 19, 2021 3:10 pm

Date Received

03/19/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 14:30	KHA
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/22/2021 06:47	03/22/2021 14:30	KHA
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %	69-130								
2037-26-5	Surrogate: SURR: Toluene-d8	101 %	81-117								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.1 %	79-122								



Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 3:00 pm

03/19/2021

Volatiles, 8260 Comprehensive

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	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
95-63-6	1,2,4-Trimethylbenzene	6.16		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
107-06-2	1,2-Dichloroethane	7.70		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
108-67-8	1,3,5-Trimethylbenzene	2.28		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
123-91-1	1,4-Dioxane	ND		ug/L	80.0	160	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
78-93-3	2-Butanone	24.3	B	ug/L	0.400	2.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
591-78-6	2-Hexanone	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA



Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 3:00 pm

Date Received
03/19/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	0.520		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
67-64-1	Acetone	146		ug/L	2.00	4.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
107-02-8	Acrolein	4.40		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA
107-13-1	Acrylonitrile	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
71-43-2	Benzene	23.8		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
74-97-5	Bromochloromethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-27-4	Bromodichloromethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-25-2	Bromoform	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
74-83-9	Bromomethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-15-0	Carbon disulfide	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
108-90-7	Chlorobenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-00-3	Chloroethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
67-66-3	Chloroform	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
74-87-3	Chloromethane	2.20	CCV-E, ICV-E	ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
110-82-7	Cyclohexane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
124-48-1	Dibromochloromethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
74-95-3	Dibromomethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
100-41-4	Ethyl Benzene	11.0		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA



Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 3:00 pm

03/19/2021

Volatiles, 8260 Comprehensive

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
87-68-3	Hexachlorobutadiene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
98-82-8	Isopropylbenzene	0.480		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
79-20-9	Methyl acetate	0.640		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
108-87-2	Methylcyclohexane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-09-2	Methylene chloride	ND		ug/L	2.00	4.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
104-51-8	n-Butylbenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
103-65-1	n-Propylbenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
95-47-6	o-Xylene	10.4		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA
179601-23-1	p- & m- Xylenes	16.6		ug/L	5.00	10.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA
99-87-6	p-Isopropyltoluene	25.2		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
100-42-5	Styrene	10.3		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA
75-65-0	tert-Butyl alcohol (TBA)	849		ug/L	10.0	20.0	20	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/25/2021 06:47	03/25/2021 19:37	MD
98-06-6	tert-Butylbenzene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
108-88-3	Toluene	47.5		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:08	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
79-01-6	Trichloroethylene	0.520		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA
75-01-4	Vinyl Chloride	ND		ug/L	0.400	1.00	2	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 19:08	KHA

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 3:00 pm

03/19/2021

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	26.0		ug/L	1.20	3.00	2	EPA 8260C	03/22/2021 06:47	03/22/2021 19:08	KHA
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	109 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	102 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	94.2 %			79-122						

Semi-Volatiles, 8270 Comprehensive & Select PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	17.2		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D	03/23/2021 07:07	03/23/2021 18:49	CD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		



Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 3:00 pm

03/19/2021

Semi-Volatiles, 8270 Comprehensive & Select PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
83-32-9	Acenaphthene	5.65		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
208-96-8	Acenaphthylene	10.6		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
98-55-5	* Alpha Terpineol	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
120-12-7	Anthracene	2.94	J	ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
65-85-0	Benzoic acid	274		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
100-51-6	Benzyl alcohol	14.5		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 3:00 pm

03/19/2021

Semi-Volatiles, 8270 Comprehensive & Select PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
86-73-7	Fluorene	2.65	J	ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
91-20-3	Naphthalene	129		ug/L	25.0	50.0	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 16:50	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
85-01-8	Phenanthrene	5.35		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 18:49	CD

Surrogate Recoveries

Result

Acceptance Range

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

www.YORKLAB.com

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Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 3:00 pm

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive & Select PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	44.5 %			19.7-63.1						
4165-62-2	Surrogate: SURR: Phenol-d5	32.1 %			10.1-41.7						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	105 %			50.2-113						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.4 %			39.9-105						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	89.8 %			39.3-151						
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.2 %			30.7-106						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND	IS-LO	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 21:13	CD
56-55-3	Benzo(a)anthracene	0.550	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
50-32-8	Benzo(a)pyrene	0.400	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
205-99-2	Benzo(b)fluoranthene	0.240	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
191-24-2	Benzo(g,h,i)perylene	0.120	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
207-08-9	Benzo(k)fluoranthene	0.350	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
117-81-7	Bis(2-ethylhexyl)phthalate	1.75	IS-LO	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 21:13	CD
218-01-9	Chrysene	0.640	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
206-44-0	Fluoranthene	1.44	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
118-74-1	Hexachlorobenzene	ND	IS-LO	ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 21:13	CD
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 21:13	CD
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 21:13	CD
193-39-5	Indeno(1,2,3-cd)pyrene	0.0700	IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 21:13	CD
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 21:13	CD



Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 3:00 pm

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND	IS-LO	ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 21:13	CD
129-00-0	Pyrene	7.33	E, IS-LO	ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 21:13	CD

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.77		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	37.2		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	20.8		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	6.07		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	122		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	51.8		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
375-95-1	* Perfluorononanoic acid (PFNA)	17.8		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	10.8		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	26.3		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL



Sample Information

Client Sample ID: MW04_031921

York Sample ID: 21C0975-03

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 3:00 pm

Date Received
03/19/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.53	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.21	2	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 11:08	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: M3PFBS		77.0 %		25-150						
Surrogate: M5PFHxA		52.3 %		25-150						
Surrogate: M4PFHpA		58.5 %		25-150						
Surrogate: M3PFHxS		111 %		25-150						
Surrogate: Perfluoro-n-[13C8]octanoic aci		95.4 %		25-150						
Surrogate: M6PFDA		118 %		25-150						
Surrogate: M7PFUdA		107 %		25-150						
Surrogate: Perfluoro-n-[1,2-13C2]dodecan		136 %		25-150						
Surrogate: M2PFTeDA		86.3 %		10-150						
Surrogate: Perfluoro-n-[13C4]butanoic aci		75.4 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfo		133 %		25-150						
Surrogate: Perfluoro-n-[13C5]pentanoic ac		49.0 %		25-150						
Surrogate: Perfluoro-1-[13C8]octanesulfo		29.6 %		10-150						
Surrogate: d3-N-MeFOSAA		140 %		25-150						
Surrogate: d5-N-EtFOSAA		168 %	PFSu-H	25-150						
Surrogate: M2-6:2 FTS		448 %	PFSu-H	25-150						
Surrogate: M2-8:2 FTS		406 %	PFSu-H	25-150						
Surrogate: M9PFNA		108 %		25-150						



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 9:30 am

03/19/2021

Volatiles, 8260 Comprehensive

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	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-34-3	1,1-Dichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
95-63-6	1,2,4-Trimethylbenzene	193		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
106-93-4	1,2-Dibromoethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
107-06-2	1,2-Dichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
78-87-5	1,2-Dichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
108-67-8	1,3,5-Trimethylbenzene	51.5		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
78-93-3	2-Butanone	8.10	B	ug/L	2.00	10.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Volatiles, 8260 Comprehensive

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	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
67-64-1	Acetone	ND		ug/L	10.0	20.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
107-02-8	Acrolein	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
107-13-1	Acrylonitrile	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
71-43-2	Benzene	266		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
74-97-5	Bromochloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-27-4	Bromodichloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-25-2	Bromoform	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
74-83-9	Bromomethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-15-0	Carbon disulfide	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
56-23-5	Carbon tetrachloride	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
108-90-7	Chlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-00-3	Chloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
67-66-3	Chloroform	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
74-87-3	Chloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
110-82-7	Cyclohexane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
124-48-1	Dibromochloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
74-95-3	Dibromomethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 9:30 am

03/19/2021

Volatiles, 8260 Comprehensive

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
100-41-4	Ethyl Benzene	961		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
87-68-3	Hexachlorobutadiene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
98-82-8	Isopropylbenzene	28.6		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
79-20-9	Methyl acetate	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
108-87-2	Methylcyclohexane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-09-2	Methylene chloride	ND		ug/L	10.0	20.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
104-51-8	n-Butylbenzene	5.00		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
103-65-1	n-Propylbenzene	9.00		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
95-47-6	o-Xylene	443		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
179601-23-1	p- & m- Xylenes	701		ug/L	5.00	10.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
99-87-6	p-Isopropyltoluene	5.40		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
135-98-8	sec-Butylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
100-42-5	Styrene	247		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.00	10.0	10	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
98-06-6	tert-Butylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
127-18-4	Tetrachloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
108-88-3	Toluene	409		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
79-01-6	Trichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
75-69-4	Trichlorofluoromethane	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA

120 RESEARCH DRIVE

STRATFORD, CT 06615



132-02 89th AVENUE

RICHMOND HILL, NY 11418

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Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Volatiles, 8260 Comprehensive

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
75-01-4	Vinyl Chloride	ND		ug/L	2.00	5.00	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/22/2021 06:47	03/22/2021 17:34	KHA
1330-20-7	Xylenes, Total	1140		ug/L	6.00	15.0	10	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/22/2021 06:47	03/22/2021 17:34	KHA
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	110 %		69-130							
2037-26-5	Surrogate: SURR: Toluene-d8	101 %		81-117							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	95.1 %		79-122							

Semi-Volatiles, 8270 Comprehensive & Select PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	46.9	J	ug/L	25.6	51.3	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 18:04	CD
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
91-57-6	2-Methylnaphthalene	532		ug/L	64.1	128	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:27	CD



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive & Select PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
83-32-9	Acenaphthene	95.5		ug/L	25.6	51.3	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 18:04	CD
208-96-8	Acenaphthylene	137		ug/L	25.6	51.3	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 18:04	CD
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
98-55-5	* Alpha Terpineol	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
120-12-7	Anthracene	8.14		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive & Select PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
86-74-8	Carbazole	17.1		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
132-64-9	Dibenzofuran	6.87		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
86-73-7	Fluorene	45.6	J	ug/L	25.6	51.3	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 18:04	CD
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
91-20-3	Naphthalene	3980	E	ug/L	64.1	128	25	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 17:27	CD
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
85-01-8	Phenanthrene	46.5	J	ug/L	25.6	51.3	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/24/2021 18:04	CD
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/23/2021 19:25	CD



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive & Select PAH

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	45.1 %									
4165-62-2	Surrogate: SURR: Phenol-d5	32.8 %									
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	74.2 %									
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	80.5 %									
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	95.9 %									
1718-51-0	Surrogate: SURR: Terphenyl-d14	101 %									

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND	IS-LO	ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 22:19	CD
56-55-3	Benzo(a)anthracene	0.328		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
50-32-8	Benzo(a)pyrene	0.133	IS-LO	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
205-99-2	Benzo(b)fluoranthene	0.0718	IS-LO	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
191-24-2	Benzo(g,h,i)perylene	ND	IS-LO	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
207-08-9	Benzo(k)fluoranthene	0.103	IS-LO	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 22:19	CD
218-01-9	Chrysene	0.287		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
53-70-3	Dibenzo(a,h)anthracene	ND	IS-LO	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
206-44-0	Fluoranthene	1.21	IS-LO	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
118-74-1	Hexachlorobenzene	ND	IS-LO	ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 22:19	CD
87-68-3	Hexachlorobutadiene	ND	IS-LO	ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 22:19	CD
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 22:19	CD
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-LO	ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 22:19	CD



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 22:19	CD
87-86-5	Pentachlorophenol	ND	IS-LO	ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	03/23/2021 07:07	03/25/2021 22:19	CD
129-00-0	Pyrene	3.38		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 07:07	03/25/2021 22:19	CD

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	0.464		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/23/2021 07:05	03/23/2021 16:12	KH
	Surrogate Recoveries	Result					Acceptance Range			
17647-74-4	Surrogate: 1,4-Dioxane-d8	68.0 %					36.6-118			

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	1.46		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	0.987		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C0975

170430001

Water

March 19, 2021 9:30 am

03/19/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
376-06-7	* Perfluorotetradecanoic acid (PFTA)	11.4		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	2.39	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	1.42		ng/L	0.954	1	EPA 537m Certifications:	03/22/2021 18:18	03/24/2021 04:20	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: M3PFBS	77.2 %	25-150
Surrogate: M5PFHxA	87.6 %	25-150
Surrogate: M4PFHpA	77.5 %	25-150
Surrogate: M3PFHxS	82.0 %	25-150
Surrogate: Perfluoro-n-[13C8]octanoic aci	101 %	25-150
Surrogate: M6PFDA	83.8 %	25-150
Surrogate: M7PFUdA	82.9 %	25-150
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	76.0 %	25-150
Surrogate: M2PFTeDA	64.9 %	10-150
Surrogate: Perfluoro-n-[13C4]butanoic aci	49.5 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	76.0 %	25-150
Surrogate: Perfluoro-n-[13C5]pentanoic a	82.1 %	25-150
Surrogate: Perfluoro-1-[13C8]octanesulfor	28.5 %	10-150
Surrogate: d3-N-MeFOSAA	73.9 %	25-150
Surrogate: d5-N-EtFOSAA	71.1 %	25-150
Surrogate: M2-6:2 FTS	147 %	25-150
Surrogate: M2-8:2 FTS	113 %	25-150
Surrogate: M9PFNA	92.3 %	25-150



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 13:24	CM



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12789-03-6	* Chlordane, total	ND		ug/L	0.200	1	EPA 8081B Certifications:	03/24/2021 06:57	03/25/2021 13:24	CM
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	51.2 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	85.0 %		30-150						

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:57	03/25/2021 04:57	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	03/24/2021 06:57	03/25/2021 04:57	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	87.0 %		30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	57.0 %		30-120						

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 19:09	BJ



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 19:09	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 06:55	03/24/2021 19:09	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (84.6 %				30-150					

Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-39-3	Barium	0.133		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-70-2	Calcium	71.6		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7439-89-6	Iron	3.20		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7439-95-4	Magnesium	125		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7439-96-5	Manganese	0.709		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-09-7	Potassium	53.6	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-23-5	Sodium	1230		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.
21C0975

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 19, 2021 9:30 am

Date Received
03/19/2021

Metals, Target Analyte, ICP

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
7440-66-6	Zinc	0.0296		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:56	03/26/2021 11:48	WJM

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

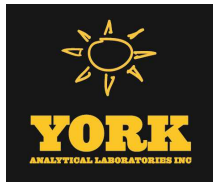
Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-39-3	Barium	0.135		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-70-2	Calcium	71.1		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7439-89-6	Iron	3.09		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7439-95-4	Magnesium	124		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7439-96-5	Manganese	0.712		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-09-7	Potassium	53.3	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-23-5	Sodium	1210		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 09:53	03/26/2021 11:14	WJM

Metals, Target Analyte, ICPMS

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.

21C0975

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 19, 2021 9:30 am

Date Received

03/19/2021

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:02	03/26/2021 16:51	BML
7440-38-2	Arsenic	25.9		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:02	03/26/2021 16:51	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:02	03/26/2021 16:51	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:02	03/26/2021 16:51	BML
7782-49-2	Selenium	1.56		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:02	03/26/2021 16:51	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:02	03/26/2021 16:51	BML

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:35	BML
7440-38-2	Arsenic	26.2		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:35	BML
7440-41-7	Beryllium	ND		ug/L	0.333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:35	BML
7440-43-9	Cadmium	ND		ug/L	0.556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:35	BML
7782-49-2	Selenium	2.03		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:35	BML
7440-28-0	Thallium	ND		ug/L	1.11	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/25/2021 10:00	03/25/2021 14:35	BML

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 20:20	03/24/2021 20:20	AA

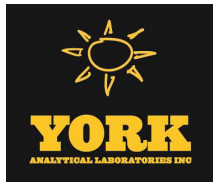
Mercury, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002	1	EPA 7470 Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/24/2021 20:22	03/24/2021 20:22	AA



Sample Information

Client Sample ID: MW10D_031921

York Sample ID: 21C0975-04

York Project (SDG) No.

21C0975

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 19, 2021 9:30 am

Date Received

03/19/2021

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2021 20:16	03/19/2021 20:30	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/25/2021 16:12	03/26/2021 15:44	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 08:35	03/24/2021 13:23	ALH



Analytical Batch Summary

Batch ID: BC11238 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/19/21
BC11238-BLK1	Blank	03/19/21
BC11238-BS1	LCS	03/19/21
BC11238-DUP1	Duplicate	03/19/21
BC11238-MS1	Matrix Spike	03/19/21

Batch ID: BC11281 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-02	TB04_031921	03/22/21
21C0975-03	MW04_031921	03/22/21
21C0975-04	MW10D_031921	03/22/21
BC11281-BLK1	Blank	03/22/21
BC11281-BS1	LCS	03/22/21
BC11281-BSD1	LCS Dup	03/22/21

Batch ID: BC11310 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** WL

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-01	EC_FB08_031921	03/22/21
21C0975-03	MW04_031921	03/22/21
21C0975-04	MW10D_031921	03/22/21
BC11310-BLK1	Blank	03/22/21
BC11310-BS1	LCS	03/22/21
BC11310-DUP1	Duplicate	03/22/21
BC11310-MS1	Matrix Spike	03/22/21

Batch ID: BC11315 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/23/21
BC11315-BLK1	Blank	03/23/21
BC11315-BS1	LCS	03/23/21
BC11315-MS1	Matrix Spike	03/23/21
BC11315-MSD1	Matrix Spike Dup	03/23/21

Batch ID: BC11316 **Preparation Method:** EPA 3510C **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-03	MW04_031921	03/23/21
21C0975-03	MW04_031921	03/23/21
21C0975-03RE1	MW04_031921	03/23/21
21C0975-04	MW10D_031921	03/23/21



21C0975-04	MW10D_031921	03/23/21
21C0975-04RE1	MW10D_031921	03/23/21
21C0975-04RE2	MW10D_031921	03/23/21
BC11316-BLK1	Blank	03/23/21
BC11316-BLK2	Blank	03/23/21
BC11316-BS1	LCS	03/23/21
BC11316-BS2	LCS	03/23/21
BC11316-BSD1	LCS Dup	03/23/21

Batch ID: BC11413 **Preparation Method:** EPA 8151A **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/24/21
BC11413-BLK1	Blank	03/24/21
BC11413-BS1	LCS	03/24/21
BC11413-BSD1	LCS Dup	03/24/21

Batch ID: BC11415 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/24/21
21C0975-04	MW10D_031921	03/24/21
BC11415-BLK1	Blank	03/24/21
BC11415-BLK2	Blank	03/24/21
BC11415-BS1	LCS	03/24/21
BC11415-BS2	LCS	03/24/21
BC11415-BSD1	LCS Dup	03/24/21
BC11415-BSD2	LCS Dup	03/24/21

Batch ID: BC11418 **Preparation Method:** Analysis Preparation **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/24/21
BC11418-BLK1	Blank	03/24/21
BC11418-BS1	LCS	03/24/21
BC11418-DUP1	Duplicate	03/24/21
BC11418-MS1	Matrix Spike	03/24/21

Batch ID: BC11488 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/24/21
BC11488-BLK1	Blank	03/24/21
BC11488-BS1	LCS	03/24/21
BC11488-BS2	LCS	03/24/21

Batch ID: BC11489 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA



YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/24/21
BC11489-BLK1	Blank	03/24/21
BC11489-BS1	LCS	03/24/21
BC11489-BS2	LCS	03/24/21

Batch ID: BC11519 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-03RE1	MW04_031921	03/25/21
BC11519-BLK1	Blank	03/25/21
BC11519-BS1	LCS	03/25/21
BC11519-BSD1	LCS Dup	03/25/21

Batch ID: BC11522 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/25/21
BC11522-BLK1	Blank	03/25/21
BC11522-BS1	LCS	03/25/21
BC11522-DUP1	Duplicate	03/25/21
BC11522-MS1	Matrix Spike	03/25/21
BC11522-PS1	Post Spike	03/25/21

Batch ID: BC11524 **Preparation Method:** EPA 3015A **Prepared By:** SK

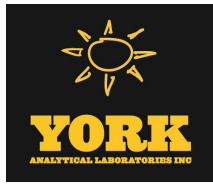
YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/25/21
BC11524-BLK1	Blank	03/25/21
BC11524-BS1	LCS	03/25/21
BC11524-DUP1	Duplicate	03/25/21
BC11524-MS1	Matrix Spike	03/25/21
BC11524-PS1	Post Spike	03/25/21

Batch ID: BC11525 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/25/21
BC11525-BLK1	Blank	03/25/21
BC11525-BS1	LCS	03/25/21
BC11525-DUP1	Duplicate	03/25/21
BC11525-MS1	Matrix Spike	03/25/21

Batch ID: BC11526 **Preparation Method:** EPA 3015A **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/25/21



BC11526-BLK1	Blank	03/25/21
BC11526-BS1	LCS	03/25/21
BC11526-DUP1	Duplicate	03/25/21
BC11526-MS1	Matrix Spike	03/25/21

Batch ID: BC11563 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C0975-04	MW10D_031921	03/25/21



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 BC11281 - EPA 5030B											
Blank (BC11281-BLK1)	Blank										Prepared & Analyzed: 03/22/2021
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.780	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BC11281 - EPA 5030B

Blank (BC11281-BLK1)	Blank		Prepared & Analyzed: 03/22/2021								
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>69-130</i>				
<i>Surrogate: SURR: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.91</i>		<i>"</i>	<i>10.0</i>		<i>99.1</i>	<i>79-122</i>				

LCS (BC11281-BS1)	LCS		Prepared & Analyzed: 03/22/2021								
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126				
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.6		"	10.0		126	54-165				
1,1,2-Trichloroethane	10.9		"	10.0		109	82-123				
1,1-Dichloroethane	11.3		"	10.0		113	82-129				
1,1-Dichloroethylene	12.4		"	10.0		124	68-138				
1,2,3-Trichlorobenzene	8.57		"	10.0		85.7	76-136				
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	9.86		"	10.0		98.6	76-137				
1,2,4-Trimethylbenzene	11.4		"	10.0		114	82-132				
1,2-Dibromo-3-chloropropane	10.1		"	10.0		101	45-147				
1,2-Dibromoethane	10.8		"	10.0		108	83-124				
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123				
1,2-Dichloroethane	11.3		"	10.0		113	73-132				
1,2-Dichloropropane	11.7		"	10.0		117	78-126				
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,4-Dichlorobenzene	10.4		"	10.0		104	85-124				
1,4-Dioxane	244		"	210		116	10-349				
2-Butanone	10.6		"	10.0		106	49-152				
2-Hexanone	11.6		"	10.0		116	51-146				
4-Methyl-2-pentanone	11.5		"	10.0		115	57-145				
Acetone	11.0		"	10.0		110	14-150				
Acrolein	9.83		"	10.0		98.3	10-153				
Acrylonitrile	11.5		"	10.0		115	51-150				
Benzene	11.3		"	10.0		113	85-126				
Bromochloromethane	12.1		"	10.0		121	77-128				
Bromodichloromethane	11.1		"	10.0		111	79-128				



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 BC11281 - EPA 5030B											
LCS (BC11281-BS1)	LCS		Prepared & Analyzed: 03/22/2021								
Bromoform	9.83		ug/L	10.0		98.3	78-133				
Bromomethane	5.82		"	10.0		58.2	43-168				
Carbon disulfide	12.4		"	10.0		124	68-146				
Carbon tetrachloride	11.1		"	10.0		111	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	12.1		"	10.0		121	65-136				
Chloroform	11.1		"	10.0		111	82-128				
Chloromethane	9.88		"	10.0		98.8	43-155				
cis-1,2-Dichloroethylene	11.7		"	10.0		117	83-129				
cis-1,3-Dichloropropylene	11.3		"	10.0		113	80-131				
Cyclohexane	10.0		"	10.0		100	63-149				
Dibromochloromethane	10.9		"	10.0		109	80-130				
Dibromomethane	10.9		"	10.0		109	72-134				
Dichlorodifluoromethane	13.9		"	10.0		139	44-144				
Ethyl Benzene	11.8		"	10.0		118	80-131				
Hexachlorobutadiene	12.1		"	10.0		121	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl acetate	10.6		"	10.0		106	51-139				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135				
Methylcyclohexane	12.0		"	10.0		120	72-143				
Methylene chloride	12.2		"	10.0		122	55-137				
n-Butylbenzene	12.9		"	10.0		129	79-132				
n-Propylbenzene	11.3		"	10.0		113	78-133				
o-Xylene	11.7		"	10.0		117	78-130				
p- & m- Xylenes	23.8		"	20.0		119	77-133				
p-Isopropyltoluene	11.7		"	10.0		117	81-136				
sec-Butylbenzene	12.1		"	10.0		121	79-137				
Styrene	11.7		"	10.0		117	67-132				
tert-Butyl alcohol (TBA)	52.1		"	50.0		104	25-162				
tert-Butylbenzene	9.43		"	10.0		94.3	77-138				
Tetrachloroethylene	10.6		"	10.0		106	82-131				
Toluene	11.4		"	10.0		114	80-127				
trans-1,2-Dichloroethylene	12.4		"	10.0		124	80-132				
trans-1,3-Dichloropropylene	11.3		"	10.0		113	78-131				
Trichloroethylene	11.2		"	10.0		112	82-128				
Trichlorofluoromethane	12.6		"	10.0		126	67-139				
Vinyl Chloride	11.7		"	10.0		117	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.5		"	10.0		105	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.97		"	10.0		99.7	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 BC11281 - EPA 5030B											
LCS Dup (BC11281-BSI1)	LCS Dup		Prepared & Analyzed: 03/22/2021								
1,1,1,2-Tetrachloroethane	10.8		ug/L	10.0		108	82-126		0.0927	30	
1,1,1-Trichloroethane	10.7		"	10.0		107	78-136		3.59	30	
1,1,2,2-Tetrachloroethane	10.6		"	10.0		106	76-129		0.937	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	54-165		2.56	30	
1,1,2-Trichloroethane	11.2		"	10.0		112	82-123		3.08	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		1.70	30	
1,1-Dichloroethylene	12.1		"	10.0		121	68-138		2.29	30	
1,2,3-Trichlorobenzene	8.95		"	10.0		89.5	76-136		4.34	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		0.0972	30	
1,2,4-Trichlorobenzene	9.99		"	10.0		99.9	76-137		1.31	30	
1,2,4-Trimethylbenzene	10.9		"	10.0		109	82-132		4.21	30	
1,2-Dibromo-3-chloropropane	10.5		"	10.0		105	45-147		3.90	30	
1,2-Dibromoethane	11.2		"	10.0		112	83-124		3.09	30	
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123		1.27	30	
1,2-Dichloroethane	11.5		"	10.0		115	73-132		2.46	30	
1,2-Dichloropropane	11.6		"	10.0		116	78-126		0.859	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		4.28	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		3.20	30	
1,4-Dichlorobenzene	10.1		"	10.0		101	85-124		2.63	30	
1,4-Dioxane	247		"	210		117	10-349		1.01	30	
2-Butanone	11.2		"	10.0		112	49-152		5.44	30	
2-Hexanone	12.2		"	10.0		122	51-146		5.37	30	
4-Methyl-2-pentanone	11.7		"	10.0		117	57-145		2.16	30	
Acetone	11.2		"	10.0		112	14-150		2.61	30	
Acrolein	10.1		"	10.0		101	10-153		2.31	30	
Acrylonitrile	11.9		"	10.0		119	51-150		3.58	30	
Benzene	11.1		"	10.0		111	85-126		1.43	30	
Bromochloromethane	12.2		"	10.0		122	77-128		0.0823	30	
Bromodichloromethane	11.1		"	10.0		111	79-128		0.270	30	
Bromoform	10.3		"	10.0		103	78-133		4.48	30	
Bromomethane	6.04		"	10.0		60.4	43-168		3.71	30	
Carbon disulfide	11.9		"	10.0		119	68-146		3.71	30	
Carbon tetrachloride	10.8		"	10.0		108	77-141		2.10	30	
Chlorobenzene	10.9		"	10.0		109	88-120		0.914	30	
Chloroethane	11.5		"	10.0		115	65-136		5.17	30	
Chloroform	11.0		"	10.0		110	82-128		1.09	30	
Chloromethane	9.28		"	10.0		92.8	43-155		6.26	30	
cis-1,2-Dichloroethylene	11.5		"	10.0		115	83-129		1.47	30	
cis-1,3-Dichloropropylene	11.2		"	10.0		112	80-131		0.887	30	
Cyclohexane	9.84		"	10.0		98.4	63-149		2.11	30	
Dibromochloromethane	11.0		"	10.0		110	80-130		1.28	30	
Dibromomethane	11.1		"	10.0		111	72-134		1.72	30	
Dichlorodifluoromethane	13.1		"	10.0		131	44-144		6.08	30	
Ethyl Benzene	11.5		"	10.0		115	80-131		1.80	30	
Hexachlorobutadiene	12.8		"	10.0		128	67-146		5.47	30	
Isopropylbenzene	10.5		"	10.0		105	76-140		5.67	30	
Methyl acetate	11.1		"	10.0		111	51-139		4.60	30	
Methyl tert-butyl ether (MTBE)	11.6		"	10.0		116	76-135		2.37	30	
Methylcyclohexane	11.7		"	10.0		117	72-143		2.20	30	
Methylene chloride	12.1		"	10.0		121	55-137		0.576	30	
n-Butylbenzene	12.6		"	10.0		126	79-132		2.27	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11281 - EPA 5030B											
LCS Dup (BC11281-BSD1)	LCS Dup		Prepared & Analyzed: 03/22/2021								
n-Propylbenzene	10.7		ug/L	10.0		107	78-133		5.44	30	
o-Xylene	11.5		"	10.0		115	78-130		1.38	30	
p- & m- Xylenes	23.4		"	20.0		117	77-133		1.69	30	
p-Isopropyltoluene	11.2		"	10.0		112	81-136		4.01	30	
sec-Butylbenzene	11.6		"	10.0		116	79-137		4.05	30	
Styrene	11.7		"	10.0		117	67-132		0.684	30	
tert-Butyl alcohol (TBA)	53.0		"	50.0		106	25-162		1.64	30	
tert-Butylbenzene	9.03		"	10.0		90.3	77-138		4.33	30	
Tetrachloroethylene	10.4		"	10.0		104	82-131		2.01	30	
Toluene	11.1		"	10.0		111	80-127		2.66	30	
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132		3.29	30	
trans-1,3-Dichloropropylene	11.5		"	10.0		115	78-131		1.14	30	
Trichloroethylene	10.9		"	10.0		109	82-128		2.89	30	
Trichlorofluoromethane	12.1		"	10.0		121	67-139		3.73	30	
Vinyl Chloride	11.3		"	10.0		113	58-145		4.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	10.7		"	10.0		107	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.64		"	10.0		96.4	79-122				

Batch BC11519 - EPA 5030B

Blank (BC11519-BLK1)	Blank		Prepared & Analyzed: 03/25/2021								
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	0.360	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								



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 BC11519 - EPA 5030B

Blank (BC11519-BLK1)	Blank	Prepared & Analyzed: 03/25/2021									
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURRE: 1,2-Dichloroethane-d4	9.31		"	10.0		93.1	69-130				
Surrogate: SURRE: Toluene-d8	9.72		"	10.0		97.2	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.87		"	10.0		98.7	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 BC11519 - EPA 5030B											
LCS (BC11519-BS1)	LCS		Prepared & Analyzed: 03/25/2021								
1,1,1,2-Tetrachloroethane	9.60		ug/L	10.0		96.0	82-126				
1,1,1-Trichloroethane	9.85		"	10.0		98.5	78-136				
1,1,2,2-Tetrachloroethane	8.71		"	10.0		87.1	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9		"	10.0		119	54-165				
1,1,2-Trichloroethane	8.63		"	10.0		86.3	82-123				
1,1-Dichloroethane	9.65		"	10.0		96.5	82-129				
1,1-Dichloroethylene	10.4		"	10.0		104	68-138				
1,2,3-Trichlorobenzene	9.04		"	10.0		90.4	76-136				
1,2,3-Trichloropropane	9.03		"	10.0		90.3	77-128				
1,2,4-Trichlorobenzene	10.3		"	10.0		103	76-137				
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132				
1,2-Dibromo-3-chloropropane	7.86		"	10.0		78.6	45-147				
1,2-Dibromoethane	8.77		"	10.0		87.7	83-124				
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123				
1,2-Dichloroethane	9.03		"	10.0		90.3	73-132				
1,2-Dichloropropane	9.58		"	10.0		95.8	78-126				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124				
1,4-Dioxane	124		"	210		58.9	10-349				
2-Butanone	7.02		"	10.0		70.2	49-152				
2-Hexanone	6.23		"	10.0		62.3	51-146				
4-Methyl-2-pentanone	6.41		"	10.0		64.1	57-145				
Acetone	9.72		"	10.0		97.2	14-150				
Acrolein	6.62		"	10.0		66.2	10-153				
Acrylonitrile	8.64		"	10.0		86.4	51-150				
Benzene	10.3		"	10.0		103	85-126				
Bromochloromethane	9.02		"	10.0		90.2	77-128				
Bromodichloromethane	9.12		"	10.0		91.2	79-128				
Bromoform	8.43		"	10.0		84.3	78-133				
Bromomethane	8.21		"	10.0		82.1	43-168				
Carbon disulfide	11.0		"	10.0		110	68-146				
Carbon tetrachloride	10.0		"	10.0		100	77-141				
Chlorobenzene	10.1		"	10.0		101	88-120				
Chloroethane	11.5		"	10.0		115	65-136				
Chloroform	9.94		"	10.0		99.4	82-128				
Chloromethane	12.3		"	10.0		123	43-155				
cis-1,2-Dichloroethylene	9.89		"	10.0		98.9	83-129				
cis-1,3-Dichloropropylene	8.42		"	10.0		84.2	80-131				
Cyclohexane	8.46		"	10.0		84.6	63-149				
Dibromochloromethane	8.96		"	10.0		89.6	80-130				
Dibromomethane	8.63		"	10.0		86.3	72-134				
Dichlorodifluoromethane	16.3		"	10.0		163	44-144	High Bias			
Ethyl Benzene	10.6		"	10.0		106	80-131				
Hexachlorobutadiene	11.9		"	10.0		119	67-146				
Isopropylbenzene	11.1		"	10.0		111	76-140				
Methyl acetate	7.03		"	10.0		70.3	51-139				
Methyl tert-butyl ether (MTBE)	8.04		"	10.0		80.4	76-135				
Methylcyclohexane	10.7		"	10.0		107	72-143				
Methylene chloride	9.41		"	10.0		94.1	55-137				
n-Butylbenzene	11.3		"	10.0		113	79-132				



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 BC11519 - EPA 5030B											
LCS (BC11519-BS1)	LCS		Prepared & Analyzed: 03/25/2021								
n-Propylbenzene	11.2		ug/L	10.0		112	78-133				
o-Xylene	10.3		"	10.0		103	78-130				
p- & m- Xylenes	21.6		"	20.0		108	77-133				
p-Isopropyltoluene	11.5		"	10.0		115	81-136				
sec-Butylbenzene	11.8		"	10.0		118	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	24.9		"	50.0		49.9	25-162				
tert-Butylbenzene	9.60		"	10.0		96.0	77-138				
Tetrachloroethylene	10.3		"	10.0		103	82-131				
Toluene	10.1		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	10.6		"	10.0		106	80-132				
trans-1,3-Dichloropropylene	8.15		"	10.0		81.5	78-131				
Trichloroethylene	10.1		"	10.0		101	82-128				
Trichlorofluoromethane	11.3		"	10.0		113	67-139				
Vinyl Chloride	11.2		"	10.0		112	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	8.19		"	10.0		81.9	69-130				
Surrogate: SURR: Toluene-d8	10.1		"	10.0		101	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				
LCS Dup (BC11519-BS1)	LCS Dup		Prepared & Analyzed: 03/25/2021								
1,1,1,2-Tetrachloroethane	9.75		ug/L	10.0		97.5	82-126		1.55	30	
1,1,1-Trichloroethane	9.81		"	10.0		98.1	78-136		0.407	30	
1,1,2,2-Tetrachloroethane	9.01		"	10.0		90.1	76-129		3.39	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.6		"	10.0		116	54-165		2.29	30	
1,1,2-Trichloroethane	9.42		"	10.0		94.2	82-123		8.75	30	
1,1-Dichloroethane	9.66		"	10.0		96.6	82-129		0.104	30	
1,1-Dichloroethylene	10.0		"	10.0		100	68-138		3.73	30	
1,2,3-Trichlorobenzene	9.39		"	10.0		93.9	76-136		3.80	30	
1,2,3-Trichloropropane	9.30		"	10.0		93.0	77-128		2.95	30	
1,2,4-Trichlorobenzene	9.92		"	10.0		99.2	76-137		3.86	30	
1,2,4-Trimethylbenzene	9.78		"	10.0		97.8	82-132		13.0	30	
1,2-Dibromo-3-chloropropane	8.20		"	10.0		82.0	45-147		4.23	30	
1,2-Dibromoethane	9.69		"	10.0		96.9	83-124		9.97	30	
1,2-Dichlorobenzene	9.86		"	10.0		98.6	79-123		4.85	30	
1,2-Dichloroethane	9.91		"	10.0		99.1	73-132		9.29	30	
1,2-Dichloropropane	9.57		"	10.0		95.7	78-126		0.104	30	
1,3,5-Trimethylbenzene	9.72		"	10.0		97.2	80-131		15.4	30	
1,3-Dichlorobenzene	9.57		"	10.0		95.7	86-122		10.0	30	
1,4-Dichlorobenzene	9.54		"	10.0		95.4	85-124		8.05	30	
1,4-Dioxane	152		"	210		72.5	10-349		20.7	30	
2-Butanone	9.06		"	10.0		90.6	49-152		25.4	30	
2-Hexanone	7.73		"	10.0		77.3	51-146		21.5	30	
4-Methyl-2-pentanone	8.02		"	10.0		80.2	57-145		22.3	30	
Acetone	11.2		"	10.0		112	14-150		14.6	30	
Acrolein	8.17		"	10.0		81.7	10-153		21.0	30	
Acrylonitrile	10.7		"	10.0		107	51-150		21.5	30	
Benzene	10.3		"	10.0		103	85-126		0.194	30	
Bromochloromethane	9.74		"	10.0		97.4	77-128		7.68	30	
Bromodichloromethane	9.37		"	10.0		93.7	79-128		2.70	30	
Bromoform	9.62		"	10.0		96.2	78-133		13.2	30	
Bromomethane	7.97		"	10.0		79.7	43-168		2.97	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11519 - EPA 5030B											
LCS Dup (BC11519-BSD1)	LCS Dup		Prepared & Analyzed: 03/25/2021								
Carbon disulfide	10.8		ug/L	10.0		108	68-146		1.46	30	
Carbon tetrachloride	9.80		"	10.0		98.0	77-141		2.42	30	
Chlorobenzene	9.84		"	10.0		98.4	88-120		2.31	30	
Chloroethane	10.9		"	10.0		109	65-136		5.08	30	
Chloroform	10.0		"	10.0		100	82-128		1.00	30	
Chloromethane	12.2		"	10.0		122	43-155		0.654	30	
cis-1,2-Dichloroethylene	9.93		"	10.0		99.3	83-129		0.404	30	
cis-1,3-Dichloropropylene	8.86		"	10.0		88.6	80-131		5.09	30	
Cyclohexane	8.42		"	10.0		84.2	63-149		0.474	30	
Dibromochloromethane	9.54		"	10.0		95.4	80-130		6.27	30	
Dibromomethane	9.38		"	10.0		93.8	72-134		8.33	30	
Dichlorodifluoromethane	15.7		"	10.0		157	44-144	High Bias	4.12	30	
Ethyl Benzene	10.0		"	10.0		100	80-131		6.00	30	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		10.2	30	
Isopropylbenzene	9.42		"	10.0		94.2	76-140		16.3	30	
Methyl acetate	8.67		"	10.0		86.7	51-139		20.9	30	
Methyl tert-butyl ether (MTBE)	9.70		"	10.0		97.0	76-135		18.7	30	
Methylcyclohexane	10.0		"	10.0		100	72-143		6.67	30	
Methylene chloride	9.71		"	10.0		97.1	55-137		3.14	30	
n-Butylbenzene	9.62		"	10.0		96.2	79-132		16.4	30	
n-Propylbenzene	9.51		"	10.0		95.1	78-133		16.4	30	
o-Xylene	9.95		"	10.0		99.5	78-130		3.17	30	
p- & m- Xylenes	20.6		"	20.0		103	77-133		4.79	30	
p-Isopropyltoluene	10.1		"	10.0		101	81-136		12.8	30	
sec-Butylbenzene	10.0		"	10.0		100	79-137		16.7	30	
Styrene	10.1		"	10.0		101	67-132		0.794	30	
tert-Butyl alcohol (TBA)	37.0		"	50.0		74.0	25-162		38.9	30	Non-dir.
tert-Butylbenzene	8.25		"	10.0		82.5	77-138		15.1	30	
Tetrachloroethylene	9.72		"	10.0		97.2	82-131		5.99	30	
Toluene	9.73		"	10.0		97.3	80-127		4.03	30	
trans-1,2-Dichloroethylene	10.2		"	10.0		102	80-132		3.56	30	
trans-1,3-Dichloropropylene	8.59		"	10.0		85.9	78-131		5.26	30	
Trichloroethylene	9.44		"	10.0		94.4	82-128		6.85	30	
Trichlorofluoromethane	11.1		"	10.0		111	67-139		1.43	30	
Vinyl Chloride	10.6		"	10.0		106	58-145		4.68	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	9.33		"	10.0		93.3	69-130				
Surrogate: SURR: Toluene-d8	9.76		"	10.0		97.6	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.42		"	10.0		94.2	79-122				



Semivolatile 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 BC11316 - EPA 3510C

Blank (BC11316-BLK1)	Blank									Prepared & Analyzed: 03/23/2021	
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	5.00	"								
Acenaphthylene	ND	5.00	"								
Acetophenone	ND	5.00	"								
Alpha Terpineol	ND	10.0	"								
Aniline	ND	5.00	"								
Anthracene	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	1.00	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Fluorene	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								



Semivolatile 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 BC11316 - EPA 3510C

Blank (BC11316-BLK1)	Blank								Prepared & Analyzed: 03/23/2021		
Isophorone	ND	5.00	ug/L								
Naphthalene	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenanthrene	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
<i>Surrogate: SURR: 2-Fluorophenol</i>	23.5		"	50.0		46.9	19.7-63.1				
<i>Surrogate: SURR: Phenol-d5</i>	14.0		"	50.0		28.1	10.1-41.7				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	24.9		"	25.0		99.8	50.2-113				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	21.4		"	25.0		85.7	39.9-105				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	48.7		"	50.0		97.5	39.3-151				
<i>Surrogate: SURR: Terphenyl-d14</i>	28.2		"	25.0		113	30.7-106				

Blank (BC11316-BLK2)	Blank								Prepared: 03/23/2021 Analyzed: 03/24/2021		
Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile 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 BC11316 - EPA 3510C											
LCS (BC11316-BS1)	LCS	Prepared & Analyzed: 03/23/2021									
1,1-Biphenyl	19.4	5.00	ug/L	25.0		77.4	33-95				
1,2,4,5-Tetrachlorobenzene	18.2	5.00	"	25.0		72.8	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	24.0	5.00	"	25.0		95.9	16-141				
2,3,4,6-Tetrachlorophenol	27.2	5.00	"	25.0		109	30-130				
2,4,5-Trichlorophenol	17.9	5.00	"	25.0		71.6	32-114				
2,4,6-Trichlorophenol	19.4	5.00	"	25.0		77.6	35-118				
2,4-Dichlorophenol	17.7	5.00	"	25.0		70.7	25-116				
2,4-Dimethylphenol	17.0	5.00	"	25.0		68.0	15-116				
2,4-Dinitrophenol	5.07	5.00	"	25.0		20.3	10-170				
2,4-Dinitrotoluene	19.0	5.00	"	25.0		76.0	41-128				
2,6-Dinitrotoluene	19.0	5.00	"	25.0		76.0	45-116				
2-Chloronaphthalene	16.6	5.00	"	25.0		66.2	33-112				
2-Chlorophenol	15.1	5.00	"	25.0		60.3	15-120				
2-Methylnaphthalene	18.8	5.00	"	25.0		75.3	24-118				
2-Methylphenol	14.8	5.00	"	25.0		59.4	10-110				
2-Nitroaniline	17.8	5.00	"	25.0		71.3	34-129				
2-Nitrophenol	19.6	5.00	"	25.0		78.3	28-118				
3- & 4-Methylphenols	11.8	5.00	"	25.0		47.1	10-107				
3,3-Dichlorobenzidine	18.4	5.00	"	25.0		73.7	15-187				
3-Nitroaniline	16.7	5.00	"	25.0		66.9	24-134				
4,6-Dinitro-2-methylphenol	18.4	5.00	"	25.0		73.5	10-153				
4-Bromophenyl phenyl ether	16.6	5.00	"	25.0		66.6	34-120				
4-Chloro-3-methylphenol	20.1	5.00	"	25.0		80.4	20-120				
4-Chloroaniline	11.3	5.00	"	25.0		45.2	10-147				
4-Chlorophenyl phenyl ether	16.6	5.00	"	25.0		66.6	27-121				
4-Nitroaniline	18.5	5.00	"	25.0		73.9	13-134				
4-Nitrophenol	15.8	5.00	"	25.0		63.0	10-131				
Acenaphthene	17.5	5.00	"	25.0		70.0	25-116				
Acenaphthylene	17.1	5.00	"	25.0		68.3	26-116				
Acetophenone	18.9	5.00	"	25.0		75.6	25-110				
Aniline	13.2	5.00	"	25.0		52.8	10-117				
Anthracene	17.8	5.00	"	25.0		71.1	25-123				
Benzaldehyde	17.3	5.00	"	25.0		69.2	29-117				
Benzoic acid	8.33	1.00	"	25.0		33.3	30-130				
Benzyl alcohol	16.3	5.00	"	25.0		65.0	10-117				
Benzyl butyl phthalate	21.6	5.00	"	25.0		86.2	29-133				
Bis(2-chloroethoxy)methane	18.6	5.00	"	25.0		74.5	10-154				
Bis(2-chloroethyl)ether	18.1	5.00	"	25.0		72.4	17-125				
Bis(2-chloroisopropyl)ether	19.0	5.00	"	25.0		76.0	10-139				
Caprolactam	4.99	5.00	"	25.0		20.0	10-137				
Carbazole	17.4	5.00	"	25.0		69.7	42-126				
Dibenzofuran	18.1	5.00	"	25.0		72.3	36-113				
Diethyl phthalate	19.1	5.00	"	25.0		76.4	38-115				
Dimethyl phthalate	17.8	5.00	"	25.0		71.2	38-129				
Di-n-butyl phthalate	18.8	5.00	"	25.0		75.3	31-120				
Di-n-octyl phthalate	21.7	5.00	"	25.0		86.8	21-149				
Diphenylamine	21.8	5.00	"	25.0		87.3	40-140				
Fluorene	17.8	5.00	"	25.0		71.0	28-118				
Hexachlorocyclopentadiene	10.5	10.0	"	25.0		42.2	10-130				
Isophorone	20.2	5.00	"	25.0		80.7	25-127				
Naphthalene	18.2	5.00	"	25.0		72.9	18-120				



Semivolatile 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 BC11316 - EPA 3510C

LCS (BC11316-BS1)		LCS		Prepared & Analyzed: 03/23/2021							
N-nitroso-di-n-propylamine	19.3	5.00	ug/L	25.0		77.2	26-122				
N-Nitrosodiphenylamine	20.6	5.00	"	25.0		82.6	23-149				
Phenanthrene	18.4	5.00	"	25.0		73.8	24-127				
Phenol	8.01	5.00	"	25.0		32.0	10-110				
Pyridine	10.6	5.00	"	25.2		41.9	10-90				
Surrogate: SURR: 2-Fluorophenol	24.1		"	50.0		48.1	19.7-63.1				
Surrogate: SURR: Phenol-d5	14.7		"	50.0		29.4	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	23.4		"	25.0		93.8	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.5		"	25.0		73.9	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	44.6		"	50.0		89.2	39.3-151				
Surrogate: SURR: Terphenyl-d14	24.2		"	25.0		96.7	30.7-106				

LCS (BC11316-BS2)		LCS		Prepared: 03/23/2021 Analyzed: 03/24/2021							
Acenaphthene	0.740	0.0500	ug/L	1.00		74.0	25-116				
Acenaphthylene	0.770	0.0500	"	1.00		77.0	26-116				
Anthracene	0.740	0.0500	"	1.00		74.0	25-123				
Benzo(a)anthracene	0.800	0.0500	"	1.00		80.0	33-125				
Benzo(a)pyrene	0.730	0.0500	"	1.00		73.0	32-132				
Benzo(b)fluoranthene	0.830	0.0500	"	1.00		83.0	22-137				
Benzo(g,h,i)perylene	0.960	0.0500	"	1.00		96.0	10-138				
Benzo(k)fluoranthene	0.760	0.0500	"	1.00		76.0	20-137				
Bis(2-ethylhexyl)phthalate	1.14	0.500	"	1.00		114	10-189				
Chrysene	0.810	0.0500	"	1.00		81.0	32-124				
Dibenzo(a,h)anthracene	0.900	0.0500	"	1.00		90.0	16-133				
Fluoranthene	0.790	0.0500	"	1.00		79.0	32-121				
Fluorene	0.790	0.0500	"	1.00		79.0	28-118				
Hexachlorobenzene	0.660	0.0200	"	1.00		66.0	23-124				
Hexachlorobutadiene	0.700	0.500	"	1.00		70.0	15-123				
Hexachloroethane	0.650	0.500	"	1.00		65.0	18-115				
Indeno(1,2,3-cd)pyrene	0.890	0.0500	"	1.00		89.0	15-135				
Naphthalene	0.730	0.0500	"	1.00		73.0	18-120				
Nitrobenzene	0.670	0.250	"	1.00		67.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
Pentachlorophenol	0.740	0.250	"	1.00		74.0	10-156				
Phenanthrene	0.780	0.0500	"	1.00		78.0	24-127				
Pyrene	0.800	0.0500	"	1.00		80.0	31-132				



Semivolatile 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 BC11316 - EPA 3510C											
LCS Dup (BC11316-BSD1)	LCS Dup		Prepared & Analyzed: 03/23/2021								
1,1-Biphenyl	19.2	5.00	ug/L	25.0		76.8	33-95		0.830	20	
1,2,4,5-Tetrachlorobenzene	17.0	5.00	"	25.0		68.1	26-120		6.65	20	
1,2-Diphenylhydrazine (as Azobenzene)	24.8	5.00	"	25.0		99.2	16-141		3.36	20	
2,3,4,6-Tetrachlorophenol	25.7	5.00	"	25.0		103	30-130		5.75	20	
2,4,5-Trichlorophenol	17.9	5.00	"	25.0		71.7	32-114		0.168	20	
2,4,6-Trichlorophenol	19.1	5.00	"	25.0		76.5	35-118		1.45	20	
2,4-Dichlorophenol	17.6	5.00	"	25.0		70.4	25-116		0.397	20	
2,4-Dimethylphenol	17.0	5.00	"	25.0		68.0	15-116		0.00	20	
2,4-Dinitrophenol	6.07	5.00	"	25.0		24.3	10-170		18.0	20	
2,4-Dinitrotoluene	18.8	5.00	"	25.0		75.4	41-128		0.740	20	
2,6-Dinitrotoluene	18.8	5.00	"	25.0		75.4	45-116		0.740	20	
2-Chloronaphthalene	15.5	5.00	"	25.0		62.0	33-112		6.49	20	
2-Chlorophenol	14.9	5.00	"	25.0		59.5	15-120		1.40	20	
2-Methylnaphthalene	17.6	5.00	"	25.0		70.4	24-118		6.64	20	
2-Methylphenol	14.1	5.00	"	25.0		56.4	10-110		5.25	20	
2-Nitroaniline	18.4	5.00	"	25.0		73.5	34-129		3.09	20	
2-Nitrophenol	18.0	5.00	"	25.0		71.9	28-118		8.52	20	
3- & 4-Methylphenols	11.4	5.00	"	25.0		45.8	10-107		2.84	20	
3,3-Dichlorobenzidine	18.6	5.00	"	25.0		74.2	15-187		0.703	20	
3-Nitroaniline	17.0	5.00	"	25.0		68.2	24-134		1.90	20	
4,6-Dinitro-2-methylphenol	19.2	5.00	"	25.0		76.6	10-153		4.16	20	
4-Bromophenyl phenyl ether	17.6	5.00	"	25.0		70.2	34-120		5.32	20	
4-Chloro-3-methylphenol	20.8	5.00	"	25.0		83.1	20-120		3.28	20	
4-Chloroaniline	11.2	5.00	"	25.0		45.0	10-147		0.443	20	
4-Chlorophenyl phenyl ether	16.1	5.00	"	25.0		64.4	27-121		3.42	20	
4-Nitroaniline	19.0	5.00	"	25.0		76.1	13-134		2.99	20	
4-Nitrophenol	15.7	5.00	"	25.0		62.9	10-131		0.191	20	
Acenaphthene	17.1	5.00	"	25.0		68.5	25-116		2.20	20	
Acenaphthylene	16.6	5.00	"	25.0		66.3	26-116		2.97	20	
Acetophenone	18.9	5.00	"	25.0		75.4	25-110		0.212	20	
Aniline	9.81	5.00	"	25.0		39.2	10-117		29.5	20	Non-dir.
Anthracene	18.9	5.00	"	25.0		75.5	25-123		6.00	20	
Benzaldehyde	16.4	5.00	"	25.0		65.5	29-117		5.41	20	
Benzoic acid	8.33	1.00	"	25.0		33.3	30-130		0.00	20	
Benzyl alcohol	15.5	5.00	"	25.0		61.9	10-117		4.98	20	
Benzyl butyl phthalate	22.3	5.00	"	25.0		89.1	29-133		3.28	20	
Bis(2-chloroethoxy)methane	17.5	5.00	"	25.0		70.1	10-154		6.14	20	
Bis(2-chloroethyl)ether	18.0	5.00	"	25.0		71.8	17-125		0.777	20	
Bis(2-chloroisopropyl)ether	18.3	5.00	"	25.0		73.3	10-139		3.59	20	
Caprolactam	5.29	5.00	"	25.0		21.2	10-137		5.84	20	
Carbazole	18.6	5.00	"	25.0		74.3	42-126		6.44	20	
Dibenzofuran	17.8	5.00	"	25.0		71.1	36-113		1.73	20	
Diethyl phthalate	19.2	5.00	"	25.0		76.8	38-115		0.627	20	
Dimethyl phthalate	17.8	5.00	"	25.0		71.1	38-129		0.169	20	
Di-n-butyl phthalate	19.5	5.00	"	25.0		78.2	31-120		3.70	20	
Di-n-octyl phthalate	22.9	5.00	"	25.0		91.6	21-149		5.38	20	
Diphenylamine	22.2	5.00	"	25.0		88.9	40-140		1.86	20	
Fluorene	17.8	5.00	"	25.0		71.3	28-118		0.393	20	
Hexachlorocyclopentadiene	9.04	10.0	"	25.0		36.2	10-130		15.3	20	
Isophorone	20.0	5.00	"	25.0		80.0	25-127		0.846	20	
Naphthalene	17.0	5.00	"	25.0		67.9	18-120		7.10	20	



Semivolatile 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 BC11316 - EPA 3510C

LCS Dup (BC11316-BSI1)	LCS Dup	Prepared & Analyzed: 03/23/2021									
N-nitroso-di-n-propylamine	18.6	5.00	ug/L	25.0		74.2	26-122		3.86	20	
N-Nitrosodiphenylamine	21.8	5.00	"	25.0		87.3	23-149		5.56	20	
Phenanthrene	19.2	5.00	"	25.0		77.0	24-127		4.25	20	
Phenol	7.74	5.00	"	25.0		31.0	10-110		3.43	20	
Pyridine	9.71	5.00	"	25.2		38.5	10-90		8.48	20	
Surrogate: SURR: 2-Fluorophenol	22.5		"	50.0		44.9	19.7-63.1				
Surrogate: SURR: Phenol-d5	14.3		"	50.0		28.6	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	22.0		"	25.0		88.2	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.8		"	25.0		71.2	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	46.8		"	50.0		93.7	39.3-151				
Surrogate: SURR: Terphenyl-d14	25.7		"	25.0		103	30.7-106				



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC11315 - EPA 3535A											
Blank (BC11315-BLK1)	Blank		Prepared & Analyzed: 03/23/2021								
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	36.6-118				
LCS (BC11315-BS1)	LCS		Prepared & Analyzed: 03/23/2021								
1,4-Dioxane	4.80	0.300	ug/L	4.00		120	50-130				
Surrogate: 1,4-Dioxane-d8	3.20		"	4.00		80.0	36.6-118				
Matrix Spike (BC11315-MS1)	Matrix Spike	*Source sample: 21C1043-01 (Matrix Spike)					Prepared & Analyzed: 03/23/2021				
1,4-Dioxane	4.46	0.300	ug/L	4.00	ND	112	50-130				
Surrogate: 1,4-Dioxane-d8	2.72		"	4.00		68.0	50-130				
Matrix Spike Dup (BC11315-MS1)	Matrix Spike Dup	*Source sample: 21C1043-01 (Matrix Spike Dup)					Prepared & Analyzed: 03/23/2021				
1,4-Dioxane	4.67	0.300	ug/L	4.00	ND	117	50-130		4.55	30	
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	50-130				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M

Blank (BC11310-BLK1)	Blank	Prepared: 03/22/2021 Analyzed: 03/24/2021									
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	73.7		"	74.3		99.1	25-150				
Surrogate: M5PFHxA	77.4		"	80.0		96.8	25-150				
Surrogate: M4PFHpA	84.0		"	80.0		105	25-150				
Surrogate: M3PFHxS	72.4		"	75.7		95.7	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	81.2		"	80.0		102	25-150				
Surrogate: M6PFDA	78.9		"	80.0		98.6	25-150				
Surrogate: M7PFUdA	72.9		"	80.0		91.1	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	77.7		"	80.0		97.1	25-150				
Surrogate: M2PFTeDA	60.6		"	80.0		75.8	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	71.3		"	80.0		89.1	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.0		"	76.6		92.8	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.4		"	80.0		90.4	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	23.6		"	80.0		29.4	10-150				
Surrogate: d3-N-MeFOSAA	56.8		"	80.0		71.0	25-150				
Surrogate: d5-N-EtFOSAA	64.1		"	80.0		80.1	25-150				
Surrogate: M2-6:2 FTS	65.2		"	75.9		85.9	25-150				
Surrogate: M2-8:2 FTS	78.4		"	76.6		102	25-150				
Surrogate: M9PFNA	83.1		"	80.0		104	25-150				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M

LCS (BC11310-BS1)	LCS	Prepared: 03/22/2021 Analyzed: 03/24/2021									
Perfluorobutanesulfonic acid (PFBS)	65.4	2.00	ng/L	70.8		92.4	50-130				
Perfluorohexanoic acid (PFHxA)	73.5	2.00	"	80.0		91.9	50-130				
Perfluoroheptanoic acid (PFHpA)	71.3	2.00	"	80.0		89.2	50-130				
Perfluorohexanesulfonic acid (PFHxS)	59.3	2.00	"	73.0		81.3	50-130				
Perfluorooctanoic acid (PFOA)	74.7	2.00	"	80.0		93.4	50-130				
Perfluorooctanesulfonic acid (PFOS)	73.5	2.00	"	74.1		99.3	50-130				
Perfluorononanoic acid (PFNA)	70.2	2.00	"	80.0		87.7	50-130				
Perfluorodecanoic acid (PFDA)	77.3	2.00	"	80.0		96.6	50-130				
Perfluoroundecanoic acid (PFUnA)	76.8	2.00	"	80.0		96.0	50-130				
Perfluorododecanoic acid (PFDoA)	75.9	2.00	"	80.0		94.9	50-130				
Perfluorotridecanoic acid (PFTriDA)	58.3	2.00	"	80.0		72.9	50-130				
Perfluorotetradecanoic acid (PFTA)	77.4	2.00	"	80.0		96.8	50-130				
N-MeFOSAA	74.1	2.00	"	80.0		92.6	50-130				
N-EtFOSAA	70.5	2.00	"	80.0		88.1	50-130				
Perfluoropentanoic acid (PFPeA)	79.1	2.00	"	80.0		98.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	76.3	2.00	"	80.0		95.4	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.4	2.00	"	76.0		103	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	69.8	2.00	"	77.2		90.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	75.6	5.00	"	76.0		99.5	50-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	94.8	2.00	"	76.8		123	50-130				
Perfluoro-n-butanoic acid (PFBA)	80.8	2.00	"	80.0		101	50-130				
Surrogate: M3PFBS	76.4		"	74.3		103	25-150				
Surrogate: M5PFHxA	76.9		"	80.0		96.2	25-150				
Surrogate: M4PFHpA	82.8		"	80.0		104	25-150				
Surrogate: M3PFHxS	74.2		"	75.7		98.1	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	79.4		"	80.0		99.3	25-150				
Surrogate: M6PFDA	71.9		"	80.0		89.9	25-150				
Surrogate: M7PFUdA	67.9		"	80.0		84.8	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	75.6		"	80.0		94.4	25-150				
Surrogate: M2PFTeDA	61.0		"	80.0		76.2	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	72.0		"	80.0		90.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	71.2		"	76.6		93.0	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	72.4		"	80.0		90.5	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	22.4		"	80.0		28.0	10-150				
Surrogate: d3-N-MeFOSAA	51.4		"	80.0		64.3	25-150				
Surrogate: d5-N-EtFOSAA	53.4		"	80.0		66.7	25-150				
Surrogate: M2-6:2 FTS	73.4		"	75.9		96.7	25-150				
Surrogate: M2-8:2 FTS	70.3		"	76.6		91.7	25-150				
Surrogate: M9PFNA	78.3		"	80.0		97.9	25-150				



PFAS Target compounds by LC/MS-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 BC11310 - SPE Ext-PFAS-EPA 537.1M

Duplicate (BC11310-DUP1)	Duplicate	*Source sample: 21C0827-01 (Duplicate)				Prepared: 03/22/2021 Analyzed: 03/24/2021					
Perfluorobutanesulfonic acid (PFBS)	ND	0.880	ng/L		ND					30	
Perfluorohexanoic acid (PFHxA)	ND	0.880	"		1.51					30	
Perfluoroheptanoic acid (PFHpA)	ND	0.880	"		ND					30	
Perfluorohexanesulfonic acid (PFHxS)	ND	0.880	"		ND					30	
Perfluorooctanoic acid (PFOA)	ND	0.880	"		ND					30	
Perfluorooctanesulfonic acid (PFOS)	ND	0.880	"		ND					30	
Perfluorononanoic acid (PFNA)	ND	0.880	"		ND					30	
Perfluorodecanoic acid (PFDA)	ND	0.880	"		ND					30	
Perfluoroundecanoic acid (PFUnA)	ND	0.880	"		ND					30	
Perfluorododecanoic acid (PFDoA)	ND	0.880	"		ND					30	
Perfluorotridecanoic acid (PFTriDA)	ND	0.880	"		ND					30	
Perfluorotetradecanoic acid (PFTA)	ND	0.880	"		ND					30	
N-MeFOSAA	ND	0.880	"		ND					30	
N-EtFOSAA	ND	0.880	"		ND					30	
Perfluoropentanoic acid (PFPeA)	0.958	0.880	"		1.56				47.6	30	Non-dir.
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.880	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.880	"		ND					30	
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.880	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	ND	2.20	"		ND					30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	ND	0.880	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	ND	0.880	"		0.947					30	
Surrogate: M3PFBS	32.1		"	32.7		98.2	25-150				
Surrogate: M5PFHxA	34.9		"	35.2		99.2	25-150				
Surrogate: M4PFHpA	32.4		"	35.2		92.0	25-150				
Surrogate: M3PFHxS	38.7		"	33.3		116	25-150				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	32.1		"	35.2		91.1	25-150				
Surrogate: M6PFDA	21.3		"	35.2		60.4	25-150				
Surrogate: M7PFUdA	19.9		"	35.2		56.6	25-150				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	22.8		"	35.2		64.7	25-150				
Surrogate: M2PFTeDA	26.1		"	35.2		74.1	10-150				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	12.3		"	35.2		34.9	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	28.4		"	33.7		84.3	25-150				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	22.2		"	35.2		63.0	25-150				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	2.30		"	35.2		6.53	10-150				
Surrogate: d3-N-MeFOSAA	16.3		"	35.2		46.3	25-150				
Surrogate: d5-N-EtFOSAA	17.2		"	35.2		49.0	25-150				
Surrogate: M2-6:2 FTS	33.9		"	33.4		102	25-150				
Surrogate: M2-8:2 FTS	24.9		"	33.7		74.0	25-150				
Surrogate: M9PFNA	24.3		"	35.2		69.1	25-150				



PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC11310 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BC11310-MS1)	Matrix Spike	*Source sample: 21C0827-02 (Matrix Spike)						Prepared: 03/22/2021 Analyzed: 03/24/2021			
Perfluorobutanesulfonic acid (PFBS)	34.8	0.871	ng/L	30.8	1.20	109	25-150				
Perfluorohexanoic acid (PFHxA)	39.2	0.871	"	34.8	2.68	105	25-150				
Perfluoroheptanoic acid (PFHpA)	42.2	0.871	"	34.8	1.26	118	25-150				
Perfluorohexanesulfonic acid (PFHxS)	34.4	0.871	"	31.8	ND	108	25-150				
Perfluorooctanoic acid (PFOA)	40.4	0.871	"	34.8	5.05	101	25-150				
Perfluorooctanesulfonic acid (PFOS)	46.2	0.871	"	32.3	11.9	106	25-150				
Perfluorononanoic acid (PFNA)	35.8	0.871	"	34.8	ND	103	25-150				
Perfluorodecanoic acid (PFDA)	38.7	0.871	"	34.8	ND	111	25-150				
Perfluoroundecanoic acid (PFUnA)	38.1	0.871	"	34.8	ND	109	25-150				
Perfluorododecanoic acid (PFDoA)	38.0	0.871	"	34.8	ND	109	25-150				
Perfluorotridecanoic acid (PFTriDA)	36.9	0.871	"	34.8	ND	106	25-150				
Perfluorotetradecanoic acid (PFTA)	38.0	0.871	"	34.8	ND	109	25-150				
N-MeFOSAA	34.2	0.871	"	34.8	ND	98.0	25-150				
N-EtFOSAA	32.2	0.871	"	34.8	ND	92.5	25-150				
Perfluoropentanoic acid (PFPeA)	42.0	0.871	"	34.8	3.94	109	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	33.8	0.871	"	34.8	ND	97.0	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	40.5	0.871	"	33.1	ND	122	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	31.9	0.871	"	33.6	ND	95.0	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F)	34.4	2.18	"	33.1	ND	104	25-150				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F)	34.8	0.871	"	33.4	ND	104	25-150				
Perfluoro-n-butanoic acid (PFBA)	44.5	0.871	"	34.8	6.18	110	25-150				
<i>Surrogate: M3PFBS</i>	<i>35.0</i>		<i>"</i>	<i>32.4</i>		<i>108</i>	<i>25-150</i>				
<i>Surrogate: M5PFHxA</i>	<i>37.1</i>		<i>"</i>	<i>34.8</i>		<i>106</i>	<i>25-150</i>				
<i>Surrogate: M4PFHpA</i>	<i>31.6</i>		<i>"</i>	<i>34.8</i>		<i>90.7</i>	<i>25-150</i>				
<i>Surrogate: M3PFHxS</i>	<i>36.1</i>		<i>"</i>	<i>33.0</i>		<i>110</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)</i>	<i>34.1</i>		<i>"</i>	<i>34.8</i>		<i>97.9</i>	<i>25-150</i>				
<i>Surrogate: M6PFDA</i>	<i>21.1</i>		<i>"</i>	<i>34.8</i>		<i>60.6</i>	<i>25-150</i>				
<i>Surrogate: M7PFUdA</i>	<i>19.2</i>		<i>"</i>	<i>34.8</i>		<i>55.1</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)</i>	<i>19.6</i>		<i>"</i>	<i>34.8</i>		<i>56.2</i>	<i>25-150</i>				
<i>Surrogate: M2PFTeDA</i>	<i>21.5</i>		<i>"</i>	<i>34.8</i>		<i>61.7</i>	<i>10-150</i>				
<i>Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)</i>	<i>23.7</i>		<i>"</i>	<i>34.8</i>		<i>68.0</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)</i>	<i>30.7</i>		<i>"</i>	<i>33.3</i>		<i>92.1</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)</i>	<i>32.3</i>		<i>"</i>	<i>34.8</i>		<i>92.8</i>	<i>25-150</i>				
<i>Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)</i>	<i>2.74</i>		<i>"</i>	<i>34.8</i>		<i>7.86</i>	<i>10-150</i>				
<i>Surrogate: d3-N-MeFOSAA</i>	<i>16.6</i>		<i>"</i>	<i>34.8</i>		<i>47.5</i>	<i>25-150</i>				
<i>Surrogate: d5-N-EtFOSAA</i>	<i>17.0</i>		<i>"</i>	<i>34.8</i>		<i>48.8</i>	<i>25-150</i>				
<i>Surrogate: M2-6:2 FTS</i>	<i>36.3</i>		<i>"</i>	<i>33.1</i>		<i>110</i>	<i>25-150</i>				
<i>Surrogate: M2-8:2 FTS</i>	<i>31.0</i>		<i>"</i>	<i>33.4</i>		<i>92.8</i>	<i>25-150</i>				
<i>Surrogate: M9PFNA</i>	<i>26.4</i>		<i>"</i>	<i>34.8</i>		<i>75.9</i>	<i>25-150</i>				



Organochlorine Pesticides by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level

Blank (BC11415-BLK1)	Blank		Prepared: 03/24/2021 Analyzed: 03/25/2021								
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.126</i>		<i>"</i>	<i>0.200</i>		<i>63.0</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.175</i>		<i>"</i>	<i>0.200</i>		<i>87.6</i>	<i>30-150</i>				

LCS (BC11415-BS1)	LCS		Prepared: 03/24/2021 Analyzed: 03/25/2021								
4,4'-DDD	0.107	0.00400	ug/L	0.100		107	40-140				
4,4'-DDE	0.102	0.00400	"	0.100		102	40-140				
4,4'-DDT	0.104	0.00400	"	0.100		104	40-140				
Aldrin	0.0818	0.00400	"	0.100		81.8	40-140				
alpha-BHC	0.0860	0.00400	"	0.100		86.0	40-140				
alpha-Chlordane	0.0971	0.00400	"	0.100		97.1	40-140				
beta-BHC	0.0929	0.00400	"	0.100		92.9	40-140				
delta-BHC	0.0880	0.00400	"	0.100		88.0	40-140				
Dieldrin	0.0945	0.00200	"	0.100		94.5	40-140				
Endosulfan I	0.0955	0.00400	"	0.100		95.5	40-140				
Endosulfan II	0.0964	0.00400	"	0.100		96.4	40-140				
Endosulfan sulfate	0.100	0.00400	"	0.100		100	40-140				
Endrin	0.110	0.00400	"	0.100		110	40-140				
Endrin aldehyde	0.0936	0.0100	"	0.100		93.6	40-140				
Endrin ketone	0.111	0.0100	"	0.100		111	40-140				
gamma-BHC (Lindane)	0.0895	0.00400	"	0.100		89.5	40-140				
gamma-Chlordane	0.0951	0.0100	"	0.100		95.1	40-140				
Heptachlor	0.0849	0.00400	"	0.100		84.9	40-140				
Heptachlor epoxide	0.0911	0.00400	"	0.100		91.1	40-140				
Methoxychlor	0.119	0.00400	"	0.100		119	40-140				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.155</i>		<i>"</i>	<i>0.200</i>		<i>77.5</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.160</i>		<i>"</i>	<i>0.200</i>		<i>80.2</i>	<i>30-150</i>				



Organochlorine Pesticides by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level											
LCS Dup (BC11415-BS1)	LCS Dup	Prepared: 03/24/2021 Analyzed: 03/25/2021									
4,4'-DDD	0.0876	0.00400	ug/L	0.100		87.6	40-140		19.9	20	
4,4'-DDE	0.0841	0.00400	"	0.100		84.1	40-140		19.2	20	
4,4'-DDT	0.0885	0.00400	"	0.100		88.5	40-140		16.5	20	
Aldrin	0.0690	0.00400	"	0.100		69.0	40-140		16.9	20	
alpha-BHC	0.0711	0.00400	"	0.100		71.1	40-140		19.0	20	
alpha-Chlordane	0.0791	0.00400	"	0.100		79.1	40-140		20.4	20	Non-dir.
beta-BHC	0.0799	0.00400	"	0.100		79.9	40-140		15.0	20	
delta-BHC	0.0738	0.00400	"	0.100		73.8	40-140		17.5	20	
Dieldrin	0.0765	0.00200	"	0.100		76.5	40-140		21.0	20	Non-dir.
Endosulfan I	0.0771	0.00400	"	0.100		77.1	40-140		21.3	20	Non-dir.
Endosulfan II	0.0716	0.00400	"	0.100		71.6	40-140		29.5	20	Non-dir.
Endosulfan sulfate	0.0806	0.00400	"	0.100		80.6	40-140		21.8	20	Non-dir.
Endrin	0.0899	0.00400	"	0.100		89.9	40-140		20.0	20	
Endrin aldehyde	0.0789	0.0100	"	0.100		78.9	40-140		17.0	20	
Endrin ketone	0.0849	0.0100	"	0.100		84.9	40-140		26.3	20	Non-dir.
gamma-BHC (Lindane)	0.0729	0.00400	"	0.100		72.9	40-140		20.4	20	Non-dir.
gamma-Chlordane	0.0774	0.0100	"	0.100		77.4	40-140		20.5	20	Non-dir.
Heptachlor	0.0675	0.00400	"	0.100		67.5	40-140		22.9	20	Non-dir.
Heptachlor epoxide	0.0746	0.00400	"	0.100		74.6	40-140		19.8	20	
Methoxychlor	0.0952	0.00400	"	0.100		95.2	40-140		22.2	20	Non-dir.
Surrogate: Decachlorobiphenyl	0.0956		"	0.200		47.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.125		"	0.200		62.4	30-150				



Polychlorinated Biphenyls by GC/ECD - 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 BC11415 - EPA SW846-3510C Low Level											
Blank (BC11415-BLK2)	Blank							Prepared: 03/24/2021 Analyzed: 03/25/2021			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Aroclor 1262	ND	0.0500	"								
Aroclor 1268	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.175</i>		<i>"</i>	<i>0.200</i>		<i>87.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.108</i>		<i>"</i>	<i>0.200</i>		<i>54.0</i>	<i>30-120</i>				
LCS (BC11415-BS2)	LCS							Prepared: 03/24/2021 Analyzed: 03/25/2021			
Aroclor 1016	1.02	0.0500	ug/L	1.00		102	40-120				
Aroclor 1260	0.962	0.0500	"	1.00		96.2	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.190</i>		<i>"</i>	<i>0.200</i>		<i>95.0</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0940</i>		<i>"</i>	<i>0.200</i>		<i>47.0</i>	<i>30-120</i>				
LCS Dup (BC11415-BSD2)	LCS Dup							Prepared: 03/24/2021 Analyzed: 03/25/2021			
Aroclor 1016	0.903	0.0500	ug/L	1.00		90.3	40-120		12.4	30	
Aroclor 1260	0.895	0.0500	"	1.00		89.5	40-120		7.17	30	
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.175</i>		<i>"</i>	<i>0.200</i>		<i>87.5</i>	<i>30-120</i>				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0860</i>		<i>"</i>	<i>0.200</i>		<i>43.0</i>	<i>30-120</i>				



Chlorinated Herbicides by GC/ECD - 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 BC11413 - EPA 8151A											
Blank (BC11413-BLK1)	Blank							Prepared & Analyzed: 03/24/2021			
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>115</i>		<i>"</i>	<i>125</i>		<i>92.2</i>	<i>30-150</i>				
LCS (BC11413-BS1)	LCS							Prepared & Analyzed: 03/24/2021			
2,4,5-T	25.0	5.00	ug/L	40.0		62.5	10-140				
2,4,5-TP (Silvex)	30.2	5.00	"	40.0		75.6	10-139				
2,4-D	28.0	5.00	"	40.0		70.0	10-140				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>114</i>		<i>"</i>	<i>125</i>		<i>90.8</i>	<i>30-150</i>				
LCS Dup (BC11413-BSD1)	LCS Dup							Prepared & Analyzed: 03/24/2021			
2,4,5-T	25.5	5.00	ug/L	40.0		63.8	10-140		1.98	30	
2,4,5-TP (Silvex)	30.8	5.00	"	40.0		76.9	10-139		1.64	30	
2,4-D	28.2	5.00	"	40.0		70.6	10-140		0.889	30	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	<i>112</i>		<i>"</i>	<i>125</i>		<i>89.4</i>	<i>30-150</i>				



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

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

Batch BC11522 - EPA 3015A

Blank (BC11522-BLK1)	Blank										Prepared & Analyzed: 03/25/2021
Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0278	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00444	"								
Copper - Dissolved	ND	0.0222	"								
Iron - Dissolved	ND	0.278	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.0111	"								
Potassium - Dissolved	0.126	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	ND	0.556	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0278	"								

LCS (BC11522-BS1)	LCS										Prepared & Analyzed: 03/25/2021
Aluminum - Dissolved	1.88		ug/mL	2.00		94.0	80-120				
Barium - Dissolved	1.89		"	2.00		94.4	80-120				
Calcium - Dissolved	0.969		"	1.00		96.9	80-120				
Chromium - Dissolved	0.186		"	0.200		93.2	80-120				
Cobalt - Dissolved	0.489		"	0.500		97.7	80-120				
Copper - Dissolved	0.235		"	0.250		94.1	80-120				
Iron - Dissolved	0.949		"	1.00		94.9	80-120				
Lead - Dissolved	0.485		"	0.500		97.0	80-120				
Magnesium - Dissolved	0.942		"	1.00		94.2	80-120				
Manganese - Dissolved	0.473		"	0.500		94.5	80-120				
Nickel - Dissolved	0.478		"	0.500		95.5	80-120				
Potassium - Dissolved	0.996		"	1.00		99.6	80-120				
Silver - Dissolved	0.0272		"	0.0500		54.3	80-120	Low Bias			
Sodium - Dissolved	0.844		"	1.00		84.4	80-120				
Vanadium - Dissolved	0.455		"	0.500		91.0	80-120				
Zinc - Dissolved	0.463		"	0.500		92.7	80-120				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC11522 - EPA 3015A

Duplicate (BC11522-DUP1)	Duplicate	*Source sample: 21C0975-04 (MW10D_031921)				Prepared: 03/25/2021 Analyzed: 03/26/2021					
Aluminum - Dissolved	ND	0.0556	mg/L		ND					20	
Barium - Dissolved	0.136	0.0278	"		0.135				0.966	20	
Calcium - Dissolved	71.1	0.0556	"		71.1				0.00562	20	
Chromium - Dissolved	ND	0.00556	"		ND					20	
Cobalt - Dissolved	ND	0.00444	"		ND					20	
Copper - Dissolved	ND	0.0222	"		ND					20	
Iron - Dissolved	3.12	0.278	"		3.09				1.05	20	
Lead - Dissolved	ND	0.00556	"		ND					20	
Magnesium - Dissolved	125	0.0556	"		124				0.338	20	
Manganese - Dissolved	0.729	0.00556	"		0.712				2.41	20	
Nickel - Dissolved	ND	0.0111	"		ND					20	
Potassium - Dissolved	53.6	0.0556	"		53.3				0.471	20	
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	1240	0.556	"		1210				2.45	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	ND	0.0278	"		ND					20	

Matrix Spike (BC11522-MS1)	Matrix Spike	*Source sample: 21C0975-04 (MW10D_031921)				Prepared: 03/25/2021 Analyzed: 03/26/2021					
Barium - Dissolved	2.29	0.0278	mg/L	2.22	0.135	97.1	75-125				
Chromium - Dissolved	0.219	0.00556	"	0.222	ND	98.4	75-125				
Cobalt - Dissolved	0.555	0.00444	"	0.556	ND	99.9	75-125				
Copper - Dissolved	0.307	0.0222	"	0.278	ND	110	75-125				
Iron - Dissolved	4.21	0.278	"	1.11	3.09	100	75-125				
Lead - Dissolved	0.540	0.00556	"	0.556	ND	97.2	75-125				
Manganese - Dissolved	1.24	0.00556	"	0.556	0.712	95.3	75-125				
Nickel - Dissolved	0.583	0.0111	"	0.556	ND	105	75-125				
Silver - Dissolved	0.0296	0.00556	"	0.0556	ND	53.2	75-125	Low Bias			
Vanadium - Dissolved	0.542	0.0111	"	0.556	ND	97.6	75-125				
Zinc - Dissolved	0.578	0.0278	"	0.556	ND	104	75-125				



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC11522 - EPA 3015A

Post Spike (BC11522-PS1)	Post Spike	*Source sample: 21C0975-04 (MW10D_031921)					Prepared: 03/25/2021 Analyzed: 03/26/2021				
Aluminum - Dissolved	2.09		ug/mL	2.00	0.0179	103	75-125				
Barium - Dissolved	2.27		"	2.00	0.121	107	75-125				
Calcium - Dissolved	64.7		"	1.00	64.0	66.0	75-125	Low Bias			
Chromium - Dissolved	0.218		"	0.200	0.00267	107	75-125				
Cobalt - Dissolved	0.545		"	0.500	-0.00131	109	75-125				
Copper - Dissolved	0.305		"	0.250	0.0102	118	75-125				
Iron - Dissolved	3.87		"	1.00	2.78	109	75-125				
Lead - Dissolved	0.530		"	0.500	0.00144	106	75-125				
Magnesium - Dissolved	112		"	1.00	112	46.6	75-125	Low Bias			
Manganese - Dissolved	1.18		"	0.500	0.641	108	75-125				
Nickel - Dissolved	0.573		"	0.500	-0.00251	115	75-125				
Potassium - Dissolved	49.1		"	1.00	48.0	110	75-125				
Silver - Dissolved	0.0222		"	0.0500	-0.0000184	44.4	75-125	Low Bias			
Sodium - Dissolved	1100		"	1.00	1090	NR	75-125	High Bias			
Vanadium - Dissolved	0.540		"	0.500	-0.000469	108	75-125				
Zinc - Dissolved	0.565		"	0.500	0.0180	109	75-125				

Batch BC11524 - EPA 3015A

Blank (BC11524-BLK1)	Blank										
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.0972	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								



Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BC11524 - EPA 3015A

LCS (BC11524-BS1)	LCS	Prepared: 03/25/2021 Analyzed: 03/26/2021									
Aluminum	2.04		ug/mL	2.00		102	80-120				
Barium	2.03		"	2.00		102	80-120				
Calcium	1.03		"	1.00		103	80-120				
Chromium	0.202		"	0.200		101	80-120				
Cobalt	0.526		"	0.500		105	80-120				
Copper	0.258		"	0.250		103	80-120				
Iron	1.04		"	1.00		104	80-120				
Lead	0.517		"	0.500		103	80-120				
Magnesium	0.991		"	1.00		99.1	80-120				
Manganese	0.513		"	0.500		103	80-120				
Nickel	0.519		"	0.500		104	80-120				
Potassium	1.02		"	1.00		102	80-120				
Silver	0.0204		"	0.0500		40.8	80-120	Low Bias			
Sodium	1.17		"	1.00		117	80-120				
Vanadium	0.494		"	0.500		98.8	80-120				
Zinc	0.501		"	0.500		100	80-120				

Duplicate (BC11524-DUP1)	Duplicate	*Source sample: 21C1156-01 (Duplicate) Prepared: 03/25/2021 Analyzed: 03/26/2021									
Aluminum	2390	0.0556	mg/L		1160			68.9	20		Non-dir.
Barium	6.53	0.0278	"		4.32			40.8	20		Non-dir.
Calcium	54.6	0.0556	"		55.3			1.22	20		
Chromium	8.45	0.00556	"		7.28			15.0	20		
Cobalt	0.253	0.00444	"		0.228			10.6	20		
Copper	2.62	0.0222	"		2.41			8.10	20		
Iron	3400	0.278	"		3200			6.29	20		
Lead	1.17	0.00556	"		0.880			28.3	20		Non-dir.
Magnesium	83.9	0.0556	"		61.4			31.0	20		Non-dir.
Manganese	3.69	0.00556	"		3.53			4.45	20		
Nickel	1.20	0.0111	"		0.917			26.6	20		Non-dir.
Potassium	132	0.0556	"		78.1			51.1	20		Non-dir.
Silver	0.285	0.00556	"		0.254			11.7	20		
Sodium	12.9	0.556	"		11.3			12.6	20		
Vanadium	6.97	0.0111	"		6.63			4.94	20		
Zinc	3.11	0.0278	"		2.86			8.65	20		



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

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

Batch BC11524 - EPA 3015A

Matrix Spike (BC11524-MS1)	Matrix Spike	*Source sample: 21C1156-01 (Matrix Spike)						Prepared: 03/25/2021 Analyzed: 03/26/2021			
Aluminum	1450	0.0556	mg/L	2.22	1160	NR	75-125	High Bias			
Barium	6.72	0.0278	"	2.22	4.32	108	75-125				
Calcium	55.7	0.0556	"	1.11	55.3	37.4	75-125	Low Bias			
Chromium	8.09	0.00556	"	0.222	7.28	366	75-125	High Bias			
Cobalt	0.741	0.00444	"	0.556	0.228	92.4	75-125				
Copper	2.90	0.0222	"	0.278	2.41	176	75-125	High Bias			
Iron	3550	0.278	"	1.11	3200	NR	75-125	High Bias			
Lead	1.42	0.00556	"	0.556	0.880	96.4	75-125				
Magnesium	68.1	0.0556	"	1.11	61.4	603	75-125	High Bias			
Manganese	4.05	0.00556	"	0.556	3.53	93.4	75-125				
Nickel	1.54	0.0111	"	0.556	0.917	112	75-125				
Potassium	91.6	0.0556	"	1.11	78.1	NR	75-125	High Bias			
Silver	0.304	0.00556	"	0.0556	0.254	90.3	75-125				
Sodium	12.2	0.556	"	1.11	11.3	78.2	75-125				
Vanadium	7.48	0.0111	"	0.556	6.63	153	75-125	High Bias			
Zinc	3.36	0.0278	"	0.556	2.86	89.9	75-125				

Post Spike (BC11524-PS1)	Post Spike	*Source sample: 21C1156-01 (Post Spike)						Prepared: 03/25/2021 Analyzed: 03/26/2021			
Aluminum	1810		ug/mL	2.00	1050	NR	75-125	High Bias			
Barium	7.01		"	2.00	3.89	156	75-125	High Bias			
Calcium	49.9		"	1.00	49.8	15.8	75-125	Low Bias			
Chromium	7.33		"	0.200	6.55	392	75-125	High Bias			
Cobalt	0.681		"	0.500	0.205	95.3	75-125				
Copper	2.56		"	0.250	2.17	155	75-125	High Bias			
Iron	2990		"	1.00	2880	NR	75-125	High Bias			
Lead	1.40		"	0.500	0.792	122	75-125				
Magnesium	70.3		"	1.00	55.3	NR	75-125	High Bias			
Manganese	3.68		"	0.500	3.18	101	75-125				
Nickel	1.50		"	0.500	0.825	135	75-125	High Bias			
Potassium	104		"	1.00	70.3	NR	75-125	High Bias			
Silver	0.264		"	0.0500	0.229	71.4	75-125	Low Bias			
Sodium	11.6		"	1.00	10.2	134	75-125	High Bias			
Vanadium	6.53		"	0.500	5.97	111	75-125				
Zinc	3.11		"	0.500	2.57	108	75-125				



Metals by ICP/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 BC11525 - EPA 3015A

Blank (BC11525-BLK1)	Blank	Prepared & Analyzed: 03/25/2021									
Antimony - Dissolved	ND	1.11	ug/L								
Arsenic - Dissolved	ND	1.11	"								
Beryllium - Dissolved	ND	0.333	"								
Cadmium - Dissolved	ND	0.556	"								
Selenium - Dissolved	ND	1.11	"								
Thallium - Dissolved	ND	1.11	"								

LCS (BC11525-BS1)	LCS	Prepared & Analyzed: 03/25/2021									
Antimony - Dissolved	37.4		ug/L	50.0		74.8	80-120	Low Bias			
Arsenic - Dissolved	49.7		"	50.0		99.4	80-120				
Beryllium - Dissolved	44.3		"	50.0		88.6	80-120				
Cadmium - Dissolved	40.8		"	50.0		81.7	80-120				
Selenium - Dissolved	48.6		"	50.0		97.2	80-120				
Thallium - Dissolved	56.3		"	50.0		113	80-120				

Duplicate (BC11525-DUP1)	Duplicate	*Source sample: 21C0975-04 (MW10D_031921) Prepared & Analyzed: 03/25/2021									
Antimony - Dissolved	ND	1.11	ug/L		ND						20
Arsenic - Dissolved	25.5	1.11	"		26.2				2.62		20
Beryllium - Dissolved	ND	0.333	"		ND						20
Cadmium - Dissolved	ND	0.556	"		ND						20
Selenium - Dissolved	2.07	1.11	"		2.03				1.83		20
Thallium - Dissolved	ND	1.11	"		ND						20

Matrix Spike (BC11525-MS1)	Matrix Spike	*Source sample: 21C0975-04 (MW10D_031921) Prepared & Analyzed: 03/25/2021									
Antimony - Dissolved	27.7		ug/L	50.0	0.215	54.9	75-125	Low Bias			
Arsenic - Dissolved	73.5		"	50.0	23.6	99.8	75-125				
Beryllium - Dissolved	32.0		"	50.0	0.006	63.9	75-125	Low Bias			
Cadmium - Dissolved	41.3		"	50.0	0.030	82.6	75-125				
Selenium - Dissolved	57.7		"	50.0	1.83	112	75-125				
Thallium - Dissolved	35.9		"	50.0	0.012	71.8	75-125	Low Bias			



Metals by ICP/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 BC11526 - EPA 3015A											
Blank (BC11526-BLK1)	Blank							Prepared: 03/25/2021 Analyzed: 03/26/2021			
Antimony	ND	1.11	ug/L								
Arsenic	ND	1.11	"								
Beryllium	ND	0.333	"								
Cadmium	ND	0.556	"								
Selenium	ND	1.11	"								
Thallium	ND	1.11	"								
LCS (BC11526-BS1)	LCS							Prepared: 03/25/2021 Analyzed: 03/26/2021			
Antimony	42.1		ug/L	50.0		84.2	80-120				
Arsenic	49.9		"	50.0		99.7	80-120				
Beryllium	51.6		"	50.0		103	80-120				
Cadmium	46.4		"	50.0		92.8	80-120				
Selenium	50.4		"	50.0		101	80-120				
Thallium	52.9		"	50.0		106	80-120				
Duplicate (BC11526-DUP1)	Duplicate	*Source sample: 21C1156-01 (Duplicate)							Prepared: 03/25/2021 Analyzed: 03/26/2021		
Antimony	ND	1.11	ug/L		ND				20		
Arsenic	237	1.11	"		190				22.1	20	Non-dir.
Beryllium	0.883	0.333	"		0.766				14.2	20	
Cadmium	23.0	0.556	"		31.1				30.3	20	Non-dir.
Selenium	60.8	1.11	"		42.4				35.6	20	Non-dir.
Thallium	1.49	1.11	"		1.59				6.73	20	
Matrix Spike (BC11526-MS1)	Matrix Spike	*Source sample: 21C1156-01 (Matrix Spike)							Prepared: 03/25/2021 Analyzed: 03/26/2021		
Antimony	0.010		ug/L	50.0	0.048	NR	75-125	Low Bias			
Arsenic	158		"	50.0	171	NR	75-125	Low Bias			
Beryllium	1.12		"	50.0	0.690	0.856	75-125	Low Bias			
Cadmium	12.5		"	50.0	28.0	NR	75-125	Low Bias			
Selenium	39.9		"	50.0	38.2	3.40	75-125	Low Bias			
Thallium	2.36		"	50.0	1.44	1.85	75-125	Low Bias			



Mercury by EPA 7000/200 Series Methods - 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 BC11488 - EPA SW846-7470A

Blank (BC11488-BLK1)	Blank								Prepared & Analyzed: 03/24/2021		
Mercury	ND	0.0002	mg/L								
LCS (BC11488-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury	0.0023106	0.0002	mg/L	0.00200		116	80-120				
LCS (BC11488-BS2)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury	0.0022126	0.0002	mg/L	0.00200		111	80-120				

Batch BC11489 - EPA SW846-7470A

Blank (BC11489-BLK1)	Blank								Prepared: 03/24/2021 Analyzed: 03/25/2021		
Mercury - Dissolved	ND	0.0002	mg/L								
LCS (BC11489-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		104	80-120				
LCS (BC11489-BS2)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury - Dissolved	0.0021	0.0002	mg/L	0.00200		104	80-120				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BC11238 - Analysis Preparation

Blank (BC11238-BLK1)	Blank								Prepared & Analyzed: 03/19/2021		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BC11238-BS1)	LCS								Prepared & Analyzed: 03/19/2021		
Chromium, Hexavalent	0.485	0.0100	mg/L	0.500		97.0	80-120				
Duplicate (BC11238-DUP1)	Duplicate	*Source sample: 21C0945-01 (Duplicate)							Prepared & Analyzed: 03/19/2021		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BC11238-MS1)	Matrix Spike	*Source sample: 21C0945-01 (Matrix Spike)							Prepared & Analyzed: 03/19/2021		
Chromium, Hexavalent	0.569	0.0100	mg/L	0.500	ND	114	75-125				

Batch BC11418 - Analysis Preparation

Blank (BC11418-BLK1)	Blank								Prepared & Analyzed: 03/24/2021		
Cyanide, total	ND	0.0100	mg/L								
LCS (BC11418-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Cyanide, total	0.182	0.0100	mg/L	0.0200		910	76.2-107	High Bias			
Duplicate (BC11418-DUP1)	Duplicate	*Source sample: 21C1116-08 (Duplicate)							Prepared & Analyzed: 03/24/2021		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BC11418-MS1)	Matrix Spike	*Source sample: 21C1116-08 (Matrix Spike)							Prepared & Analyzed: 03/24/2021		
Cyanide, total	0.164	0.0100	mg/L	0.0200	ND	821	79-105	High Bias			



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C0975-02	TB04_031921	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0975-03	MW04_031921	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21C0975-04	MW10D_031921	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C





Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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.

Corrective Action: The semivolatile organic results for MW10D (lab ID 21C0975-04) to include Naphthalene that was missing in the original report (E qualified for above calibration).

Revision Description: This report has been revised to include Naphthalene in SVOC results for sample MW-10D.



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YORK
WALLPAPER LABORATORIES INC.

Field Chain-of-Custody Record

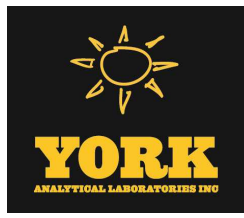
YORK Project No.

5160718

This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

Page of

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	LANGLAN, DPC	Company:	SAME	Company:	SAME	170430001		RUSH - Next Day	
Address:	360 W. 71st St. NY, NY 10011	Address:		Address:		YOUR Project Name		RUSH - Two Day	
Phone:	212-479-5400	Phone:		Phone:		240 Huntington St		RUSH - Three Day	
Contact:	ELIZABETH BURGESS	Contact:		Contact:				RUSH - Four Day	
E-mail:	EBURGESS@LANGLAN.COM	E-mail:		E-mail:				Standard (5-7 Day)	
Please 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 by: (print your name above and sign below)		Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.	
Ashley Stappenbeck		S - soil / solid		New York		CT RCP		Compared to the following Regulation(s): (please fill in)	
Ashley Stappenbeck		GW - groundwater		New Jersey		CT RCP DQA/DUE			
		DW - drinking water		Connecticut		NJDEP Reduced Deliverables			
		WW - wastewater		Pennsylvania		NJDEP SRP HazSite			
		O - Oil ; Other		Other		NJDKQP			
Sample Identification		Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description	
EC-FB08-031921		O		3/19/21 1005		PFAS			
TB04-031921		O		1510		Part 375 TCL VOCs			
MW04-031921		GW		1500		PFAS, Part 375 TCL VOCs, SVOCs		Low Volume for MINUT SVOCs	
AS ~~MA10-031921~~ MW10D-031921		GW		930		{ Part 375 TCL VOCs, SVOCs, PCBs, (pest/herb, TAC metals + hex/tri) chrome, total cyanide, PFAS, 1,4-dioxane		{ Unpreserved plastic field filtered for MINUT.	
Comments: Please include pmcna.ho@langan.com + data management@langan.com on emails MW04-10d Vol. for SVOCs. MINUT unpreserved plastic field filtered.									
Samples Relinquished by / Company		Samples Received by / Company		Samples Relinquished by / Company		Samples Relinquished by / Company		Special Instruction	
Ashley Stappenbeck 3/19/21 1510		JP-NYK		JP-NYK		JP-NYK		Field Filtered Lab to Filter	
Date/Time		Date/Time		Date/Time		Date/Time		Date/Time	
3/19/21 1510		3/19/21 1510		3/19/21 1510		3/19/21 1510		Temp. Received at Lab	
Date/Time		Date/Time		Date/Time		Date/Time		Degrees C	
3/19/21 1510		3/19/21 1510		3/19/21 1510		3/19/21 1510		4.1	



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Elizabeth Burgess

Report Date: 04/01/2021

Client Project ID: 170430001

York Project (SDG) No.: 21C1199



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

Report Date: 04/01/2021
Client Project ID: 170430001
York Project (SDG) No.: 21C1199

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Elizabeth Burgess

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 March 24, 2021 and listed below. The project was identified as your project: **170430001**.

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>
21C1199-01	MW04_032421	Water	03/24/2021	03/24/2021

General Notes for York Project (SDG) No.: 21C1199

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: 04/01/2021





Sample Information

Client Sample ID: MW04_032421

York Sample ID: 21C1199-01

York Project (SDG) No.

21C1199

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 24, 2021 10:00 am

Date Received

03/24/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	30.5		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	03/31/2021 11:26	03/31/2021 15:46	KH
Surrogate Recoveries		Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %		36.6-118						

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
72-55-9	4,4'-DDE	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
50-29-3	4,4'-DDT	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
309-00-2	Aldrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
319-84-6	alpha-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
5103-71-9	alpha-Chlordane	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
319-85-7	beta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
319-86-8	delta-BHC	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
60-57-1	Dieldrin	ND		ug/L	0.00235	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
959-98-8	Endosulfan I	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
33213-65-9	Endosulfan II	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
72-20-8	Endrin	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
7421-93-4	Endrin aldehyde	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
53494-70-5	Endrin ketone	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm



Sample Information

Client Sample ID: MW04_032421

York Sample ID: 21C1199-01

York Project (SDG) No.
21C1199

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 24, 2021 10:00 am

Date Received
03/24/2021

Pesticides, 8081 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
5566-34-7	gamma-Chlordane	ND		ug/L	0.0118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
76-44-8	Heptachlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
72-43-5	Methoxychlor	ND		ug/L	0.00471	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
8001-35-2	Toxaphene	ND		ug/L	0.118	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 06:25	cm
57-74-9	* Chlordane, total	ND		ug/L	0.235	1	EPA 8081B Certifications:	03/31/2021 12:35	04/01/2021 06:25	cm
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	38.2 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	44.1 %	30-150							

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
11104-28-2	Aroclor 1221	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
11141-16-5	Aroclor 1232	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
53469-21-9	Aroclor 1242	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
12672-29-6	Aroclor 1248	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
11097-69-1	Aroclor 1254	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
11096-82-5	Aroclor 1260	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
37324-23-5	Aroclor 1262	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
11100-14-4	Aroclor 1268	ND		ug/L	0.0588	1	EPA 8082A Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 12:35	04/01/2021 12:01	BJ
1336-36-3	* Total PCBs	ND		ug/L	0.0588	1	EPA 8082A Certifications:	03/31/2021 12:35	04/01/2021 12:01	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	36.5 %	30-120							



Sample Information

Client Sample ID: MW04_032421

York Sample ID: 21C1199-01

York Project (SDG) No.
21C1199

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 24, 2021 10:00 am

Date Received
03/24/2021

Polychlorinated Biphenyls (PCB), 8082 List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2051-24-3	Surrogate: Decachlorobiphenyl	20.0 %	S-GC		30-120					

Herbicides, 8151 Target List

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:39	03/30/2021 17:43	BJ
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:39	03/30/2021 17:43	BJ
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:39	03/30/2021 17:43	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (	73.4 %	30-150							

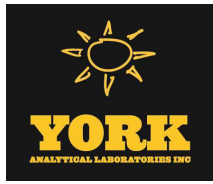
Metals, Target Analyte, ICP

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
7429-90-5	Aluminum	0.567		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-39-3	Barium	0.0466		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-70-2	Calcium	149		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-47-3	Chromium	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-48-4	Cobalt	ND		mg/L	0.00400	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-50-8	Copper	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7439-89-6	Iron	0.758		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7439-92-1	Lead	0.00862		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7439-95-4	Magnesium	12.0		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7439-96-5	Manganese	0.0728		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-02-0	Nickel	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM



Sample Information

Client Sample ID: MW04_032421

York Sample ID: 21C1199-01

York Project (SDG) No.

21C1199

Client Project ID

170430001

Matrix

Water

Collection Date/Time

March 24, 2021 10:00 am

Date Received

03/24/2021

Metals, Target Analyte, ICP

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
7440-09-7	Potassium	39.0	B	mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-22-4	Silver	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-23-5	Sodium	386		mg/L	0.500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-62-2	Vanadium	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM
7440-66-6	Zinc	ND		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:32	03/31/2021 10:50	WJM

Metals, Target Analyte, ICP Dissolved

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
7429-90-5	Aluminum	ND		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-39-3	Barium	0.0445		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-70-2	Calcium	162		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-47-3	Chromium	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-48-4	Cobalt	ND		mg/L	0.00400	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-50-8	Copper	ND		mg/L	0.0200	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7439-89-6	Iron	ND		mg/L	0.250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7439-92-1	Lead	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7439-95-4	Magnesium	12.2		mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7439-96-5	Manganese	0.0621		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-02-0	Nickel	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-09-7	Potassium	40.0	B	mg/L	0.0500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-22-4	Silver	ND		mg/L	0.00500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-23-5	Sodium	411		mg/L	0.500	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM



Sample Information

Client Sample ID: MW04_032421

York Sample ID: 21C1199-01

York Project (SDG) No.
21C1199

Client Project ID
170430001

Matrix
Water

Collection Date/Time
March 24, 2021 10:00 am

Date Received
03/24/2021

Metals, Target Analyte, ICP Dissolved

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
7440-62-2	Vanadium	ND		mg/L	0.0100	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM
7440-66-6	Zinc	ND		mg/L	0.0250	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:46	03/31/2021 09:41	WJM

Metals, Target Analyte, ICPMS

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
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:42	04/01/2021 12:02	BML
7440-38-2	Arsenic	19.3		ug/L	1.00	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:42	04/01/2021 12:02	BML
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:42	04/01/2021 12:02	BML
7440-43-9	Cadmium	ND		ug/L	0.500	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:42	04/01/2021 12:02	BML
7782-49-2	Selenium	3.37		ug/L	1.00	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:42	04/01/2021 12:02	BML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:42	04/01/2021 12:02	BML

Metals, Target Analyte, ICPMS Dissolved

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
7440-36-0	Antimony	ND		ug/L	1.00	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:50	04/01/2021 12:51	BML
7440-38-2	Arsenic	13.4		ug/L	1.00	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:50	04/01/2021 12:51	BML
7440-41-7	Beryllium	ND		ug/L	0.300	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:50	04/01/2021 12:51	BML
7440-43-9	Cadmium	ND		ug/L	0.500	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:50	04/01/2021 12:51	BML
7782-49-2	Selenium	3.83		ug/L	1.00	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:50	04/01/2021 12:51	BML
7440-28-0	Thallium	ND		ug/L	1.00	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 09:50	04/01/2021 12:51	BML

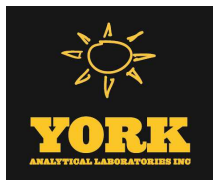
Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418		
www.YORKLAB.com	(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com		



Sample Information

Client Sample ID: MW04_032421

York Sample ID: 21C1199-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1199

170430001

Water

March 24, 2021 10:00 am

03/24/2021

7439-97-6 Mercury ND mg/L 0.0002 1 EPA 7470 03/24/2021 20:20 03/24/2021 20:20 AA
Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP

Mercury, Dissolved (field filtered)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473 Certifications: NELAC-NY10854	03/24/2021 20:22	03/24/2021 20:22	AA

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/24/2021 21:13	03/24/2021 21:29	MAO

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	03/31/2021 12:37	03/31/2021 12:55	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/26/2021 08:59	03/26/2021 16:28	ALH



Analytical Batch Summary

Batch ID: BC11488 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/24/21
BC11488-BLK1	Blank	03/24/21
BC11488-BS1	LCS	03/24/21
BC11488-BS2	LCS	03/24/21

Batch ID: BC11489 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/24/21
BC11489-BLK1	Blank	03/24/21
BC11489-BS1	LCS	03/24/21
BC11489-BS2	LCS	03/24/21

Batch ID: BC11491 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/24/21
BC11491-BLK1	Blank	03/24/21
BC11491-BS1	LCS	03/24/21
BC11491-DUP1	Duplicate	03/24/21
BC11491-MS1	Matrix Spike	03/24/21

Batch ID: BC11605 **Preparation Method:** Analysis Preparation **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/26/21
BC11605-BLK1	Blank	03/26/21
BC11605-BS1	LCS	03/26/21
BC11605-DUP1	Duplicate	03/26/21
BC11605-MS1	Matrix Spike	03/26/21

Batch ID: BC11739 **Preparation Method:** EPA 8151A **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/30/21
BC11739-BLK1	Blank	03/30/21
BC11739-BS1	LCS	03/30/21
BC11739-BSD1	LCS Dup	03/30/21

Batch ID: BC11761 **Preparation Method:** EPA 3015A **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date



21C1199-01	MW04_032421	03/30/21
BC11761-BLK1	Blank	03/30/21
BC11761-BS1	LCS	03/30/21
BC11761-DUP1	Duplicate	03/30/21
BC11761-MS1	Matrix Spike	03/30/21
BC11761-PS1	Post Spike	03/30/21

Batch ID: BC11763 **Preparation Method:** EPA 3015A **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/30/21
BC11763-BLK1	Blank	03/30/21
BC11763-BS1	LCS	03/30/21
BC11763-DUP1	Duplicate	03/30/21
BC11763-MS1	Matrix Spike	03/30/21

Batch ID: BC11764 **Preparation Method:** EPA 3015A **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/30/21
BC11764-BLK1	Blank	03/30/21
BC11764-BS1	LCS	03/30/21
BC11764-DUP1	Duplicate	03/30/21
BC11764-MS1	Matrix Spike	03/30/21
BC11764-PS1	Post Spike	03/30/21

Batch ID: BC11765 **Preparation Method:** EPA 3015A **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/30/21
BC11765-BLK1	Blank	03/30/21
BC11765-BS1	LCS	03/30/21
BC11765-DUP1	Duplicate	03/30/21
BC11765-MS1	Matrix Spike	03/30/21

Batch ID: BC11873 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/31/21
BC11873-BLK1	Blank	03/31/21
BC11873-BS1	LCS	03/31/21
BC11873-MS1	Matrix Spike	03/31/21
BC11873-MSD1	Matrix Spike Dup	03/31/21

Batch ID: BC11881 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/31/21



21C1199-01	MW04_032421	03/31/21
BC11881-BLK1	Blank	03/31/21
BC11881-BLK2	Blank	03/31/21
BC11881-BS1	LCS	03/31/21
BC11881-BS2	LCS	03/31/21
BC11881-BSD1	LCS Dup	03/31/21
BC11881-BSD2	LCS Dup	03/31/21

Batch ID: BC11883 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C1199-01	MW04_032421	03/31/21



Semivolatile Organic Compounds by GC/MS/SIM - 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 BC11741 - EPA 3535A											
Blank (BC11741-BLK1)	Blank								Prepared & Analyzed: 03/30/2021		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	2.56		"	4.00		64.0	36.6-118				
Matrix Spike (BC11741-MS1)	Matrix Spike	*Source sample: 21C1199-01 (MW04_032421)							Prepared & Analyzed: 03/30/2021		
1,4-Dioxane	27.5	0.300	ug/L	4.00	30.5	NR	50-130	Low Bias			
Surrogate: 1,4-Dioxane-d8	2.88		"	4.00		72.0	50-130				
Batch BC11873 - EPA 3535A											
Blank (BC11873-BLK1)	Blank								Prepared & Analyzed: 03/31/2021		
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	3.36		"	4.00		84.0	36.6-118				
LCS (BC11873-BS1)	LCS								Prepared & Analyzed: 03/31/2021		
1,4-Dioxane	4.75	0.300	ug/L	4.00		119	50-130				
Surrogate: 1,4-Dioxane-d8	2.56		"	4.00		64.0	36.6-118				
Matrix Spike (BC11873-MS1)	Matrix Spike	*Source sample: 21C1199-01 (MW04_032421)							Prepared & Analyzed: 03/31/2021		
1,4-Dioxane	32.6	0.300	ug/L	4.00	30.5	52.4	50-130				
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	50-130				
Matrix Spike Dup (BC11873-MS1)	Matrix Spike Dup	*Source sample: 21C1199-01 (MW04_032421)							Prepared & Analyzed: 03/31/2021		
1,4-Dioxane	35.4	0.300	ug/L	4.00	30.5	121	50-130		8.09	30	
Surrogate: 1,4-Dioxane-d8	3.04		"	4.00		76.0	50-130				



Organochlorine Pesticides by GC/ECD - 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 BC11881 - EPA SW846-3510C Low Level

Blank (BC11881-BLK1)	Blank		Prepared: 03/31/2021 Analyzed: 04/01/2021								
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total	ND	0.200	"								
Surrogate: Decachlorobiphenyl	0.0784		"	0.200		39.2	30-150				
Surrogate: Tetrachloro-m-xylene	0.172		"	0.200		86.1	30-150				

LCS (BC11881-BS1)	LCS		Prepared: 03/31/2021 Analyzed: 04/01/2021								
4,4'-DDD	0.116	0.00400	ug/L	0.100		116	40-140				
4,4'-DDE	0.0980	0.00400	"	0.100		98.0	40-140				
4,4'-DDT	0.104	0.00400	"	0.100		104	40-140				
Aldrin	0.0840	0.00400	"	0.100		84.0	40-140				
alpha-BHC	0.0948	0.00400	"	0.100		94.8	40-140				
alpha-Chlordane	0.0961	0.00400	"	0.100		96.1	40-140				
beta-BHC	0.110	0.00400	"	0.100		110	40-140				
delta-BHC	0.0953	0.00400	"	0.100		95.3	40-140				
Dieldrin	0.0937	0.00200	"	0.100		93.7	40-140				
Endosulfan I	0.0972	0.00400	"	0.100		97.2	40-140				
Endosulfan II	0.102	0.00400	"	0.100		102	40-140				
Endosulfan sulfate	0.100	0.00400	"	0.100		100	40-140				
Endrin	0.113	0.00400	"	0.100		113	40-140				
Endrin aldehyde	0.0923	0.0100	"	0.100		92.3	40-140				
Endrin ketone	0.109	0.0100	"	0.100		109	40-140				
gamma-BHC (Lindane)	0.109	0.00400	"	0.100		109	40-140				
gamma-Chlordane	0.100	0.0100	"	0.100		100	40-140				
Heptachlor	0.0866	0.00400	"	0.100		86.6	40-140				
Heptachlor epoxide	0.0940	0.00400	"	0.100		94.0	40-140				
Methoxychlor	0.107	0.00400	"	0.100		107	40-140				
Surrogate: Decachlorobiphenyl	0.0956		"	0.200		47.8	30-150				
Surrogate: Tetrachloro-m-xylene	0.162		"	0.200		81.2	30-150				



Organochlorine Pesticides by GC/ECD - 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 BC11881 - EPA SW846-3510C Low Level											
LCS Dup (BC11881-BSD1)	LCS Dup		Prepared: 03/31/2021 Analyzed: 04/01/2021								
4,4'-DDD	0.121	0.00400	ug/L	0.100		121	40-140		4.25	20	
4,4'-DDE	0.101	0.00400	"	0.100		101	40-140		3.40	20	
4,4'-DDT	0.108	0.00400	"	0.100		108	40-140		3.27	20	
Aldrin	0.0789	0.00400	"	0.100		78.9	40-140		6.23	20	
alpha-BHC	0.0931	0.00400	"	0.100		93.1	40-140		1.82	20	
alpha-Chlordane	0.0969	0.00400	"	0.100		96.9	40-140		0.778	20	
beta-BHC	0.110	0.00400	"	0.100		110	40-140		0.0988	20	
delta-BHC	0.0978	0.00400	"	0.100		97.8	40-140		2.61	20	
Dieldrin	0.0988	0.00200	"	0.100		98.8	40-140		5.23	20	
Endosulfan I	0.0971	0.00400	"	0.100		97.1	40-140		0.115	20	
Endosulfan II	0.106	0.00400	"	0.100		106	40-140		4.11	20	
Endosulfan sulfate	0.103	0.00400	"	0.100		103	40-140		2.58	20	
Endrin	0.115	0.00400	"	0.100		115	40-140		1.86	20	
Endrin aldehyde	0.0963	0.0100	"	0.100		96.3	40-140		4.30	20	
Endrin ketone	0.114	0.0100	"	0.100		114	40-140		4.21	20	
gamma-BHC (Lindane)	0.105	0.00400	"	0.100		105	40-140		3.38	20	
gamma-Chlordane	0.101	0.0100	"	0.100		101	40-140		0.400	20	
Heptachlor	0.0847	0.00400	"	0.100		84.7	40-140		2.24	20	
Heptachlor epoxide	0.0931	0.00400	"	0.100		93.1	40-140		0.963	20	
Methoxychlor	0.109	0.00400	"	0.100		109	40-140		1.61	20	
Surrogate: Decachlorobiphenyl	0.0895		"	0.200		44.7	30-150				
Surrogate: Tetrachloro-m-xylene	0.154		"	0.200		77.1	30-150				



Polychlorinated Biphenyls by GC/ECD - 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 BC11881 - EPA SW846-3510C Low Level

Blank (BC11881-BLK2)	Blank								Prepared: 03/31/2021	Analyzed: 04/01/2021
Aroclor 1016	ND	0.0500	ug/L							
Aroclor 1221	ND	0.0500	"							
Aroclor 1232	ND	0.0500	"							
Aroclor 1242	ND	0.0500	"							
Aroclor 1248	ND	0.0500	"							
Aroclor 1254	ND	0.0500	"							
Aroclor 1260	ND	0.0500	"							
Aroclor 1262	ND	0.0500	"							
Aroclor 1268	ND	0.0500	"							
Total PCBs	ND	0.0500	"							
Surrogate: Tetrachloro-m-xylene	0.167		"	0.200		83.5	30-120			
Surrogate: Decachlorobiphenyl	0.0600		"	0.200		30.0	30-120			
LCS (BC11881-BS2)	LCS								Prepared: 03/31/2021	Analyzed: 04/01/2021
Aroclor 1016	0.836	0.0500	ug/L	1.00		83.6	40-120			
Aroclor 1260	0.865	0.0500	"	1.00		86.5	40-120			
Surrogate: Tetrachloro-m-xylene	0.162		"	0.200		81.0	30-120			
Surrogate: Decachlorobiphenyl	0.0820		"	0.200		41.0	30-120			
LCS Dup (BC11881-BSD2)	LCS Dup								Prepared: 03/31/2021	Analyzed: 04/01/2021
Aroclor 1016	0.794	0.0500	ug/L	1.00		79.4	40-120	5.23	30	
Aroclor 1260	0.731	0.0500	"	1.00		73.1	40-120	16.8	30	
Surrogate: Tetrachloro-m-xylene	0.156		"	0.200		78.0	30-120			
Surrogate: Decachlorobiphenyl	0.0670		"	0.200		33.5	30-120			

Batch Y1D0145 - BC11839

Aroclor Reference (Y1D0145-)					Aroclor Reference					Prepared & Analyzed: 04/01/2021														
Surrogate: Tetrachloro-m-xylene					0.200					ug/mL					0.200					100				
Surrogate: Decachlorobiphenyl					0.176					"					0.200					88.0				



Chlorinated Herbicides by GC/ECD - 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 BC11739 - EPA 8151A											
Blank (BC11739-BLK1)	Blank							Prepared & Analyzed: 03/30/2021			
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	103		"	125		82.4	30-150				
LCS (BC11739-BS1)	LCS							Prepared & Analyzed: 03/30/2021			
2,4,5-T	18.8	5.00	ug/L	40.0		46.9	10-140				
2,4,5-TP (Silvex)	22.0	5.00	"	40.0		55.0	10-139				
2,4-D	20.8	5.00	"	40.0		51.9	10-140				
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	87.5		"	125		70.0	30-150				
LCS Dup (BC11739-BSD1)	LCS Dup							Prepared & Analyzed: 03/30/2021			
2,4,5-T	22.0	5.00	ug/L	40.0		55.0	10-140		16.0	30	
2,4,5-TP (Silvex)	26.0	5.00	"	40.0		65.0	10-139		16.7	30	
2,4-D	24.5	5.00	"	40.0		61.2	10-140		16.6	30	
<i>Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)</i>	98.2		"	125		78.6	30-150				



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

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

Batch BC11761 - EPA 3015A

Blank (BC11761-BLK1)	Blank										Prepared: 03/30/2021 Analyzed: 03/31/2021
Aluminum	ND	0.0500	mg/L								
Barium	ND	0.0250	"								
Calcium	ND	0.0500	"								
Chromium	ND	0.00500	"								
Cobalt	ND	0.00400	"								
Copper	ND	0.0200	"								
Iron	ND	0.250	"								
Lead	ND	0.00500	"								
Magnesium	ND	0.0500	"								
Manganese	ND	0.00500	"								
Nickel	ND	0.0100	"								
Potassium	0.102	0.0500	"								
Silver	ND	0.00500	"								
Sodium	ND	0.500	"								
Vanadium	ND	0.0100	"								
Zinc	ND	0.0250	"								

LCS (BC11761-BS1)	LCS										Prepared: 03/30/2021 Analyzed: 03/31/2021
Aluminum	2.09		ug/mL	2.00		105	80-120				
Barium	2.13		"	2.00		106	80-120				
Calcium	1.11		"	1.00		111	80-120				
Chromium	0.206		"	0.200		103	80-120				
Cobalt	0.539		"	0.500		108	80-120				
Copper	0.259		"	0.250		104	80-120				
Iron	1.07		"	1.00		107	80-120				
Lead	0.564		"	0.500		113	80-120				
Magnesium	1.04		"	1.00		104	80-120				
Manganese	0.528		"	0.500		106	80-120				
Nickel	0.535		"	0.500		107	80-120				
Potassium	1.05		"	1.00		105	80-120				
Silver	0.0540		"	0.0500		108	80-120				
Sodium	1.04		"	1.00		104	80-120				
Vanadium	0.515		"	0.500		103	80-120				
Zinc	0.527		"	0.500		105	80-120				



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

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

Batch BC11761 - EPA 3015A

Duplicate (BC11761-DUP1)	Duplicate	*Source sample: 21C1274-03 (Duplicate)				Prepared: 03/30/2021 Analyzed: 04/01/2021					
Aluminum	0.314	0.0500	mg/L		0.272				14.4	20	
Barium	0.159	0.0250	"		0.161				1.29	20	
Calcium	130	0.0500	"		143				10.1	20	
Chromium	ND	0.00500	"		ND					20	
Cobalt	0.00634	0.00400	"		0.00435				37.3	20	Non-dir.
Copper	0.0558	0.0200	"		0.0604				7.95	20	
Iron	0.622	0.250	"		0.562				10.0	20	
Lead	ND	0.00500	"		ND					20	
Magnesium	40.6	0.0500	"		44.7				9.57	20	
Manganese	5.58	0.00500	"		5.75				3.07	20	
Nickel	0.0128	0.0100	"		0.0279				74.0	20	Non-dir.
Potassium	3.39	0.0500	"		3.73				9.48	20	
Silver	ND	0.00500	"		ND					20	
Sodium	151	0.500	"		183				19.0	20	
Vanadium	ND	0.0100	"		ND					20	
Zinc	ND	0.0250	"		ND					20	

Matrix Spike (BC11761-MS1)	Matrix Spike	*Source sample: 21C1274-03 (Matrix Spike)				Prepared: 03/30/2021 Analyzed: 04/01/2021					
Aluminum	2.22	0.0500	mg/L	2.00	0.272	97.2	75-125				
Barium	2.16	0.0250	"	2.00	0.161	100	75-125				
Calcium	129	0.0500	"	1.00	143	NR	75-125	Low Bias			
Chromium	0.198	0.00500	"	0.200	ND	99.2	75-125				
Cobalt	0.523	0.00400	"	0.500	0.00435	104	75-125				
Copper	0.312	0.0200	"	0.250	0.0604	101	75-125				
Iron	1.56	0.250	"	1.00	0.562	99.3	75-125				
Lead	0.527	0.00500	"	0.500	ND	105	75-125				
Magnesium	41.1	0.0500	"	1.00	44.7	NR	75-125	Low Bias			
Manganese	6.01	0.00500	"	0.500	5.75	51.4	75-125	Low Bias			
Nickel	0.537	0.0100	"	0.500	0.0279	102	75-125				
Potassium	4.32	0.0500	"	1.00	3.73	59.4	75-125	Low Bias			
Silver	0.0532	0.00500	"	0.0500	ND	106	75-125				
Sodium	150	0.500	"	1.00	183	NR	75-125	Low Bias			
Vanadium	0.495	0.0100	"	0.500	ND	98.9	75-125				
Zinc	0.533	0.0250	"	0.500	ND	107	75-125				



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

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

Batch BC11761 - EPA 3015A

Post Spike (BC11761-PS1)	Post Spike	*Source sample: 21C1274-03 (Post Spike)					Prepared: 03/30/2021 Analyzed: 04/01/2021				
Aluminum	2.20		ug/mL	2.00	0.245	97.6	75-125				
Barium	2.17		"	2.00	0.145	101	75-125				
Calcium	131		"	1.00	129	207	75-125	High Bias			
Chromium	0.199		"	0.200	0.00386	97.6	75-125				
Cobalt	0.526		"	0.500	0.00391	104	75-125				
Copper	0.312		"	0.250	0.0543	103	75-125				
Iron	1.54		"	1.00	0.506	103	75-125				
Lead	0.522		"	0.500	-0.00151	104	75-125				
Magnesium	41.3		"	1.00	40.2	107	75-125				
Manganese	6.02		"	0.500	5.18	169	75-125	High Bias			
Nickel	0.541		"	0.500	0.0251	103	75-125				
Potassium	4.37		"	1.00	3.35	102	75-125				
Silver	0.0149		"	0.0500	-0.000242	29.8	75-125	Low Bias			
Sodium	153		"	1.00	165	NR	75-125	Low Bias			
Vanadium	0.497		"	0.500	-0.000257	99.4	75-125				
Zinc	0.538		"	0.500	0.0189	104	75-125				

Batch BC11764 - EPA 3015A

Blank (BC11764-BLK1)	Blank										
Aluminum - Dissolved	ND	0.0500	mg/L								
Barium - Dissolved	ND	0.0250	"								
Calcium - Dissolved	ND	0.0500	"								
Chromium - Dissolved	ND	0.00500	"								
Cobalt - Dissolved	ND	0.00400	"								
Copper - Dissolved	ND	0.0200	"								
Iron - Dissolved	ND	0.250	"								
Lead - Dissolved	ND	0.00500	"								
Magnesium - Dissolved	ND	0.0500	"								
Manganese - Dissolved	ND	0.00500	"								
Nickel - Dissolved	ND	0.0100	"								
Potassium - Dissolved	0.0922	0.0500	"								
Silver - Dissolved	ND	0.00500	"								
Sodium - Dissolved	ND	0.500	"								
Vanadium - Dissolved	ND	0.0100	"								
Zinc - Dissolved	ND	0.0250	"								



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

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

Batch BC11764 - EPA 3015A

LCS (BC11764-BS1)	LCS	Prepared: 03/30/2021 Analyzed: 03/31/2021									
Aluminum - Dissolved	2.04	ug/mL	2.00	102	80-120						
Barium - Dissolved	2.11	"	2.00	105	80-120						
Calcium - Dissolved	1.11	"	1.00	111	80-120						
Chromium - Dissolved	0.203	"	0.200	102	80-120						
Cobalt - Dissolved	0.536	"	0.500	107	80-120						
Copper - Dissolved	0.256	"	0.250	102	80-120						
Iron - Dissolved	1.04	"	1.00	104	80-120						
Lead - Dissolved	0.561	"	0.500	112	80-120						
Magnesium - Dissolved	1.03	"	1.00	103	80-120						
Manganese - Dissolved	0.525	"	0.500	105	80-120						
Nickel - Dissolved	0.530	"	0.500	106	80-120						
Potassium - Dissolved	0.991	"	1.00	99.1	80-120						
Silver - Dissolved	0.0522	"	0.0500	104	80-120						
Sodium - Dissolved	0.978	"	1.00	97.8	80-120						
Vanadium - Dissolved	0.509	"	0.500	102	80-120						
Zinc - Dissolved	0.526	"	0.500	105	80-120						

Duplicate (BC11764-DUP1)	Duplicate	*Source sample: 21C1370-01 (Duplicate) Prepared: 03/30/2021 Analyzed: 03/31/2021									
Aluminum - Dissolved	ND	0.0500	mg/L	ND							20
Barium - Dissolved	ND	0.0250	"	ND							20
Calcium - Dissolved	14.7	0.0500	"	15.5					4.78		20
Chromium - Dissolved	ND	0.00500	"	ND							20
Cobalt - Dissolved	ND	0.00400	"	ND							20
Copper - Dissolved	ND	0.0200	"	ND							20
Iron - Dissolved	ND	0.250	"	ND							20
Lead - Dissolved	ND	0.00500	"	ND							20
Magnesium - Dissolved	2.14	0.0500	"	2.23					3.92		20
Manganese - Dissolved	0.315	0.00500	"	0.312					1.11		20
Nickel - Dissolved	ND	0.0100	"	ND							20
Potassium - Dissolved	3.25	0.0500	"	3.44					5.66		20
Silver - Dissolved	ND	0.00500	"	ND							20
Sodium - Dissolved	66.9	0.500	"	67.9					1.55		20
Vanadium - Dissolved	ND	0.0100	"	ND							20
Zinc - Dissolved	ND	0.0250	"	ND							20



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

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

Batch BC11764 - EPA 3015A

Matrix Spike (BC11764-MS1)	Matrix Spike	*Source sample: 21C1370-01 (Matrix Spike)						Prepared: 03/30/2021 Analyzed: 03/31/2021			
Barium - Dissolved	2.09	0.0250	mg/L	2.00	ND	105	75-125				
Chromium - Dissolved	0.200	0.00500	"	0.200	ND	100	75-125				
Cobalt - Dissolved	0.529	0.00400	"	0.500	ND	106	75-125				
Copper - Dissolved	0.264	0.0200	"	0.250	ND	106	75-125				
Iron - Dissolved	1.04	0.250	"	1.00	ND	104	75-125				
Lead - Dissolved	0.550	0.00500	"	0.500	ND	110	75-125				
Manganese - Dissolved	0.834	0.00500	"	0.500	0.312	104	75-125				
Nickel - Dissolved	0.537	0.0100	"	0.500	ND	107	75-125				
Silver - Dissolved	0.0524	0.00500	"	0.0500	ND	105	75-125				
Vanadium - Dissolved	0.506	0.0100	"	0.500	ND	101	75-125				
Zinc - Dissolved	0.546	0.0250	"	0.500	ND	109	75-125				

Post Spike (BC11764-PS1)	Post Spike	*Source sample: 21C1370-01 (Post Spike)						Prepared: 03/30/2021 Analyzed: 03/31/2021			
Aluminum - Dissolved	2.10		ug/mL	2.00	0.00210	105	75-125				
Barium - Dissolved	2.14		"	2.00	0.0207	106	75-125				
Calcium - Dissolved	15.5		"	1.00	15.5	1.32	75-125	Low Bias			
Chromium - Dissolved	0.203		"	0.200	0.00237	101	75-125				
Cobalt - Dissolved	0.541		"	0.500	-0.00276	108	75-125				
Copper - Dissolved	0.270		"	0.250	0.000787	108	75-125				
Iron - Dissolved	1.07		"	1.00	0.000754	107	75-125				
Lead - Dissolved	0.553		"	0.500	0.00134	110	75-125				
Magnesium - Dissolved	3.18		"	1.00	2.23	95.8	75-125				
Manganese - Dissolved	0.849		"	0.500	0.312	107	75-125				
Nickel - Dissolved	0.549		"	0.500	0.00964	108	75-125				
Potassium - Dissolved	4.19		"	1.00	3.44	75.7	75-125				
Silver - Dissolved	0.0142		"	0.0500	-0.000198	28.4	75-125	Low Bias			
Sodium - Dissolved	65.4		"	1.00	67.9	NR	75-125	Low Bias			
Vanadium - Dissolved	0.518		"	0.500	-0.000268	104	75-125				
Zinc - Dissolved	0.559		"	0.500	0.0137	109	75-125				



Metals by ICP/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 BC11763 - EPA 3015A											
Blank (BC11763-BLK1)	Blank		Prepared: 03/30/2021 Analyzed: 04/01/2021								
Antimony	ND	1.00	ug/L								
Arsenic	ND	1.00	"								
Beryllium	ND	0.300	"								
Cadmium	ND	0.500	"								
Selenium	ND	1.00	"								
Thallium	ND	1.00	"								
LCS (BC11763-BS1)	LCS		Prepared: 03/30/2021 Analyzed: 04/01/2021								
Antimony	74.5		ug/L	50.0		149	80-120	High Bias			
Arsenic	67.6		"	50.0		135	80-120	High Bias			
Beryllium	64.3		"	50.0		129	80-120	High Bias			
Cadmium	78.6		"	50.0		157	80-120	High Bias			
Selenium	62.9		"	50.0		126	80-120	High Bias			
Thallium	56.1		"	50.0		112	80-120				
Duplicate (BC11763-DUP1)	Duplicate	*Source sample: 21C1273-02 (Duplicate)							Prepared: 03/30/2021 Analyzed: 04/01/2021		
Antimony	ND	1.00	ug/L		ND					20	
Arsenic	1.59	1.00	"		1.50				5.60	20	
Beryllium	ND	0.300	"		ND					20	
Cadmium	ND	0.500	"		ND					20	
Selenium	ND	1.00	"		ND					20	
Thallium	ND	1.00	"		ND					20	
Matrix Spike (BC11763-MS1)	Matrix Spike	*Source sample: 21C1273-02 (Matrix Spike)							Prepared: 03/30/2021 Analyzed: 04/01/2021		
Antimony	6.24		ug/L	50.0	-0.081	12.5	75-125	Low Bias			
Arsenic	92.5		"	50.0	1.50	182	75-125	High Bias			
Beryllium	0.214		"	50.0	-0.001	0.429	75-125	Low Bias			
Cadmium	9.35		"	50.0	-0.028	18.7	75-125	Low Bias			
Selenium	96.5		"	50.0	0.690	192	75-125	High Bias			
Thallium	0.357		"	50.0	-0.004	0.714	75-125	Low Bias			



Metals by ICP/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 BC11765 - EPA 3015A											
Blank (BC11765-BLK1)	Blank								Prepared: 03/30/2021 Analyzed: 04/01/2021		
Antimony - Dissolved	ND	1.00	ug/L								
Arsenic - Dissolved	ND	1.00	"								
Beryllium - Dissolved	ND	0.300	"								
Cadmium - Dissolved	ND	0.500	"								
Selenium - Dissolved	ND	1.00	"								
Thallium - Dissolved	ND	1.00	"								
LCS (BC11765-BS1)	LCS								Prepared: 03/30/2021 Analyzed: 04/01/2021		
Antimony - Dissolved	49.8		ug/L	250		19.9	80-120	Low Bias			
Arsenic - Dissolved	73.9		"	2000		3.69	80-120	Low Bias			
Beryllium - Dissolved	46.5		"	50.0		92.9	80-120				
Cadmium - Dissolved	66.8		"	50.0		134	80-120	High Bias			
Selenium - Dissolved	73.9		"	2000		3.69	80-120	Low Bias			
Thallium - Dissolved	18.6		"	2000		0.928	80-120	Low Bias			
Duplicate (BC11765-DUP1)	Duplicate	*Source sample: 21C1370-01 (Duplicate)							Prepared: 03/30/2021 Analyzed: 04/01/2021		
Antimony - Dissolved	ND	1.00	ug/L		ND					20	
Arsenic - Dissolved	ND	1.00	"		ND					20	
Beryllium - Dissolved	ND	0.300	"		ND					20	
Cadmium - Dissolved	ND	0.500	"		ND					20	
Selenium - Dissolved	1.89	1.00	"		2.66				33.6	20	Non-dir.
Thallium - Dissolved	ND	1.00	"		ND					20	
Matrix Spike (BC11765-MS1)	Matrix Spike	*Source sample: 21C1244-03 (Matrix Spike)							Prepared: 03/30/2021 Analyzed: 04/01/2021		
Antimony - Dissolved	37.5	1.00	ug/L	250	ND	15.0	75-125	Low Bias			
Arsenic - Dissolved	73.2	1.00	"	2000	1.24	3.60	75-125	Low Bias			
Beryllium - Dissolved	0.438	0.300	"	50.0	ND	0.877	75-125	Low Bias			
Cadmium - Dissolved	49.0	0.500	"	50.0	ND	98.0	75-125				
Selenium - Dissolved	74.1	1.00	"	2000	2.90	3.56	75-125	Low Bias			
Thallium - Dissolved	2.08	1.00	"	2000	ND	0.104	75-125	Low Bias			



Mercury by EPA 7000/200 Series Methods - 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 BC11488 - EPA SW846-7470A

Blank (BC11488-BLK1)	Blank								Prepared & Analyzed: 03/24/2021		
Mercury	ND	0.0002	mg/L								
LCS (BC11488-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury	0.002311	0.0002	mg/L	0.00200		116	80-120				
LCS (BC11488-BS2)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury	0.002213	0.0002	mg/L	0.00200		111	80-120				

Batch BC11489 - EPA SW846-7470A

Blank (BC11489-BLK1)	Blank								Prepared: 03/24/2021 Analyzed: 03/25/2021		
Mercury - Dissolved	ND	0.0002000	mg/L								
LCS (BC11489-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury - Dissolved	0.002084	0.0002000	mg/L	0.00200		104	80-120				
LCS (BC11489-BS2)	LCS								Prepared & Analyzed: 03/24/2021		
Mercury - Dissolved	0.002084	0.0002000	mg/L	0.00200		104	80-120				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11491 - Analysis Preparation											
Blank (BC11491-BLK1)	Blank								Prepared & Analyzed: 03/24/2021		
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BC11491-BS1)	LCS								Prepared & Analyzed: 03/24/2021		
Chromium, Hexavalent	0.498	0.0100	mg/L	0.500		99.6	80-120				
Duplicate (BC11491-DUP1)	Duplicate	*Source sample: 21C1134-01 (Duplicate)							Prepared & Analyzed: 03/24/2021		
Chromium, Hexavalent	ND	0.0100	mg/L		ND					20	
Matrix Spike (BC11491-MS1)	Matrix Spike	*Source sample: 21C1134-01 (Matrix Spike)							Prepared & Analyzed: 03/24/2021		
Chromium, Hexavalent	0.492	0.0100	mg/L	0.500	ND	98.4	75-125				
Batch BC11605 - Analysis Preparation											
Blank (BC11605-BLK1)	Blank								Prepared & Analyzed: 03/26/2021		
Cyanide, total	ND	0.0100	mg/L								
LCS (BC11605-BS1)	LCS								Prepared & Analyzed: 03/26/2021		
Cyanide, total	0.157	0.0100	mg/L	0.200		78.3	76.2-107				
Duplicate (BC11605-DUP1)	Duplicate	*Source sample: 21C1199-01 (MW04_032421)							Prepared & Analyzed: 03/26/2021		
Cyanide, total	ND	0.0100	mg/L		ND					15	
Matrix Spike (BC11605-MS1)	Matrix Spike	*Source sample: 21C1199-01 (MW04_032421)							Prepared & Analyzed: 03/26/2021		
Cyanide, total	0.189	0.0100	mg/L	0.200	ND	94.3	79-105				





Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
M-CRL	The RL check for this element recovered outside of control limits.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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.
